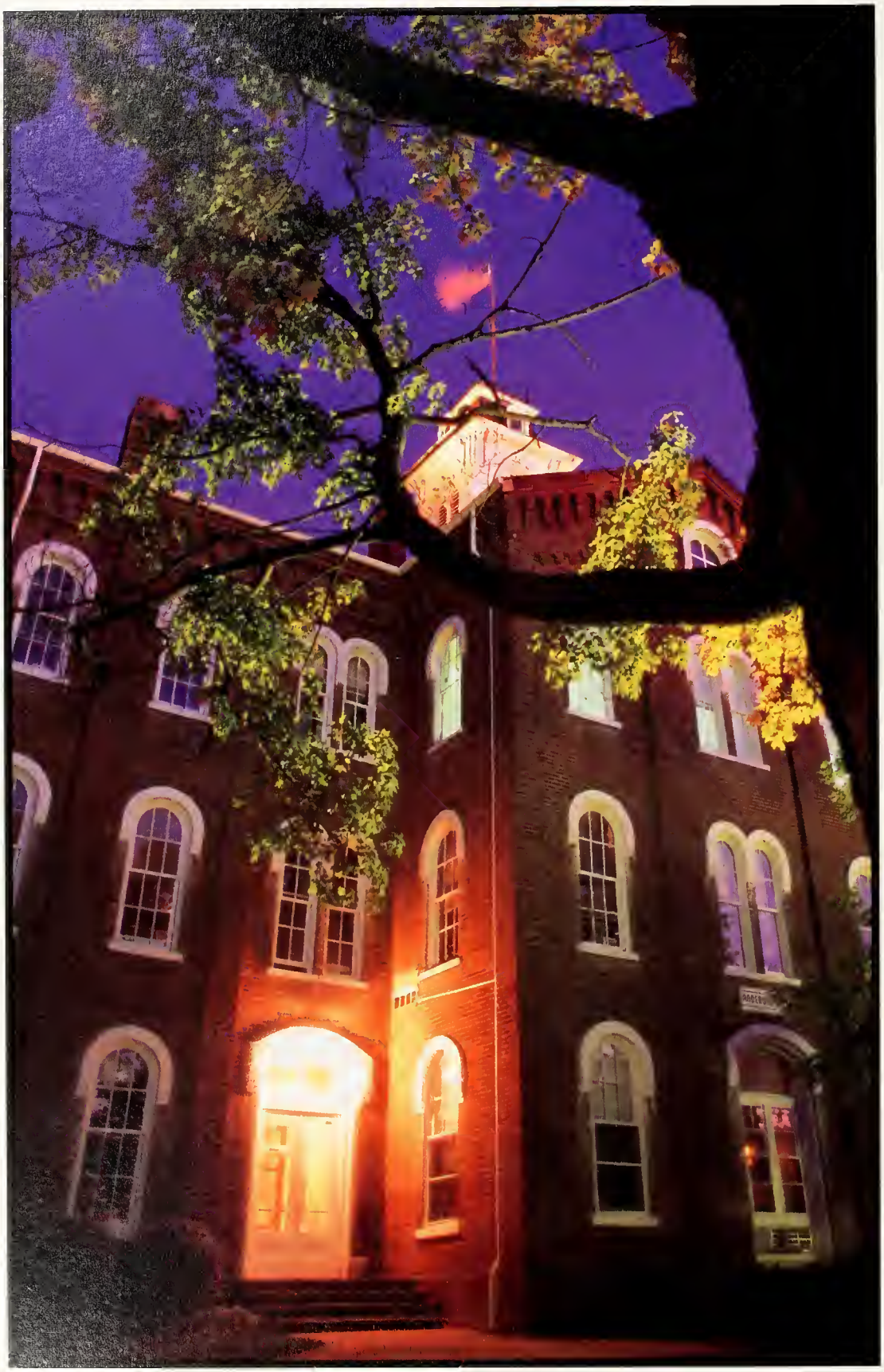
Maryville College

1998-2000
catalog and
curriculum
guide

one of the
South's best
colleges



Maryville College
1998-2000 Course Catalog

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Statement of Purpose

Maryville College is a liberal arts, church-related college. It strives to be an instrument of liberation and growth for adults of all ages. Through its curriculum the College affirms the continuing values of a broad range of study in the humanities, the sciences, and the arts. Avoiding narrow specialization, the College aims to enhance career opportunities and develop a true sense of vocation.

To prepare students for a world of uncertainty and accelerating change, the College seeks to stimulate purposeful inquiry, to encourage analytical thinking and effective expression, to foster discriminating aesthetic taste and sound judgment, to provide opportunity for developing personal values, and to nurture the deep concern for persons that leads to constructive action. Founded by leaders of the Presbyterian/Reformed tradition, Maryville College is related to the Presbyterian Church USA in a voluntary covenant. In an atmosphere of freedom and sensitivity, Maryville College bears witness to God's revelation in Jesus Christ who challenges all human beings to search for truth, to work for justice, to develop wisdom, and to become loving persons. Continuing in this vital faith, the College believes that it must listen attentively and humbly to all human voices so that it may hear the call of God no matter how God may speak.

Maryville College is, in essence, a community for learning. This community includes persons with a variety of interests, backgrounds, beliefs, and nationalities. The faculty, as a group of scholars committed to the preservation and advancement of knowledge, emphasizes effective teaching and encourages supportive relationships with students. The students are challenged to grow in academic competence, personal and social maturity, and spiritual discernment and commitment. In such an atmosphere of openness and caring, lasting friendships are formed. Through caring for others on campus and beyond, sharing genuine concern for the world, and working to fulfill the College's purpose, directors, administration, staff, faculty, and students strive to build and strengthen the human community.

Adopted April 1980

Maryville College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate degrees.

The National Association of Schools of Music accredits all of the major programs in music.

The Maryville College programs in teacher education are approved by the Tennessee Department of Education.

The Maryville College Center for English Language Learning is an approved member of the American Association of Intensive English Programs.

Educational Goals

Maryville College is an academic community committed to respect for all persons and to diversity of thought and freedom of expression. The College affirms the value of an open-ended search for goodness, truth, and beauty that call each person to work, to service, and to personal and professional growth. While some of the educational goals articulated below can be achieved during the college years, the total Maryville College experience is grounded in a curriculum that is a major step in a life-long journey. The student is guided in the exploration of paths to inquiry, skill development, personal growth, intercultural understanding, and values.

Inquiry

The creative and critical exercise of the scientific, artistic, and humanistic modes of inquiry, and their integration

Skills

Communication, computing, quantitative, and second language skills that enable effective comprehension, analysis, and expression

Critical thinking that enhances inquiry and decision-making

An ability to retrieve and synthesize information and to complete independent research

Interpersonal skills that foster cooperative work, mentoring, and leadership

Personal Growth

Enhancement and integration of all dimensions of personal well-being

Self-confidence, poise, courage, and creativity in the face of complexity, change, ambiguity, and adversity

A sense of wonder, curiosity, and a willingness to explore

Intercultural Understanding

Sensitivity and responsiveness to the individuality and needs of persons of other cultures as well as one's own

Appreciation for the breadth, diversity, and richness of human experience in its various social and cultural dimensions

Global perspective that draws on an understanding of Western and other cultures, including cultures very different from one's own

An understanding of, and appreciation for, intercultural relationships both within and across societies

Values

Spiritual growth reflected in a commitment to lifelong examination of one's beliefs and to living out those beliefs in all of life's dimensions

Informed ethical judgment which guides one to make choices leading to a responsible life

A sense of vocation which reflects stewardship of resources, time, and talents

Service, global citizenship, and a sense of responsibility for the common good

Care and respect for the environment which acknowledges interdependence and reflects a commitment to present and future generations

The Maryville Curriculum

General Education

The Maryville Curriculum, a program of general education, is based on the conviction that liberal learning is the best preparation for a satisfying and successful life, whatever one's vocation. While many aspects of the college experience, including major-field requirements, allow students to prepare for a variety of careers and professions, general education emphasizes the cultivation of those intellectual and personal qualities that mark the educated person. Through the enhancement of skills and knowledge, the deepening of sensitivities, and the clarification of personal purpose, students learn to deal responsibly with a world of uncertainty and accelerating change.

General education is the centerpiece of any liberal arts degree; it provides curricular definition to the mission of a liberal arts college. The Maryville Curriculum follows directly and consciously from the College's Statement of Purpose and Educational Goals.

The Maryville Curriculum, often called the "core" curriculum, consists of sixty credit hours for the Bachelor of Arts degree and fifty-four credit hours for the Bachelor of Music degree. Some general education requirements are waived by virtue of the student's major; others may be met by demonstration of competence.

Some distinctive features of the Maryville Curriculum are:

- An integrated and sequenced set of freshman courses designed to assist in adjustment to college life, to attend to the developmental and learning issues unique to freshmen, and develop the basic communication, quantitative, and critical thinking skills needed for success in college,
- A range of coursework that provides grounding in the various modes of inquiry, service learning and in all aspects of the liberal arts,
- Courses that are designed for general education and do not count toward a major,
- A range of choices for students among courses that fulfill common goals,
- Junior- and senior-level courses designed to draw together the college learning experience outside the major and provide integration of liberal learning and the various modes of inquiry,
- An emphasis on interdisciplinary coursework spanning the four years,
- A strong global and cross-cultural dimension,
- Attention to values and ethical decision-making throughout the curriculum, with a capstone course focusing on these matters in January of the senior year,
- A curricular structure with integrated freshman and senior experiences that provide coherence along with solid beginnings and a clear culmination to the liberal arts experience.

General Education Requirements

Each student must satisfy the course requirements specified below. Nearly all of the courses are designed for the purposes of general education and are part of no major program. Students may satisfy the requirements by passing the course, or, in some cases, by demonstrating competence and knowledge through placement or special examination, or by meeting the condition specified for a waiver. The experiential education requirement may also be satisfied by a period of study abroad.

Orientation 110 or Transfer Orientation 120
Freshman Seminar 120
Freshman Seminar 130
Freshman Research Seminar 140
International Student Seminar 160[a]
Composition 110[b]
Composition 120
Biblical Studies 130 or 140[j]
Statistics 120[c]
Foreign Language 110 and 120[b,d]
Western Civilization 180 or 390[j]

Fine Arts 140 or 340[e]
Literature 270 or 290[i]
Natural Science 150[f]
Natural Science 350[g]
Social Science 260[h]
World Cultures 310, 320, 330, 340, or 350
Experiential Education Requirement[j]
Senior Seminar 480[hk]
Ethics 490[k]

Notes on special conditions:

a International students may take this course in place of Orientation 110 and Freshman Seminar 120.
b Placement examinations may permit placement beyond this course.
c Not required of students majoring in pre-engineering, chemistry, biochemistry, chemical physics, physics/mathematics for teacher licensure, or of students minoring in physics.
d Not required of students for whom English is a second language. For these students, study in a third language is recommended as an elective but is not required.
e Not required of students pursuing the B. Music degree or of B.A. students with a combination of two majors or a major and a minor in two fine arts disciplines. Students with a B.A. major in art, music or theatre are required to take Fine Arts 140/340 in a discipline outside the major.
f Not required of students majoring in mathematics, mathematics for teacher licensure, pre-engineering, environmental studies, biology, chemistry, biochemistry, chemical physics, physical education, psychology, or of students with a minor in biology, chemistry, or physics.
g Not required of students majoring in mathematics, mathematics for teacher licensure, physics/mathematics for teacher licensure, pre-engineering, biology, biology for teacher licensure, chemistry, chemistry for teacher licensure, biochemistry, physical education, chemical physics, psychology, child development, child development for teacher licensure, or of students minoring in biology, chemistry, or physics.
h Not required of students majoring in any teacher licensure area.
i International students have a slightly wider choice of general education courses: for Biblical Studies 130/140, Religion 111 or Religion 212 may be substituted; for Literature 270/290, English 222 may be substituted; for Western Civilization 180/390, History 111 or 112 may be substituted.
j Not required of students pursuing the B. Music degree.
k Not required of students in Senior Year in Absentia programs (engineering, nursing, business).

General Education Course Descriptions

Orientation 110 **1 credit hour**

Introduction for freshmen to Maryville College and college life. Topics and activities include college policies, campus life, Maryville College history and traditions, wellness issues, and Mountain Challenge experiences. Course activities are scheduled during an orientation period prior to the beginning of fall classes and are completed no later than the end of the fourth week of the fall semester.

Transfer Orientation 120 **1 credit hour**

Required of all transfer students. Four-week orientation to Maryville College, including academic and student development programs. All students take an exam on research methods. A seven-week extension of the course is required of those who fail the exam.

Freshman Seminar 120:
Perspectives on the Individual **2 credit hours**

Offered in the fall semester

Focusing on the theme of "The Individual," this is the first in a series of related freshman seminars designed to provide academic and personal skills essential for college success. Sense of identity, vocation, spirituality, and wellness philosophy are topics covered. Analytical reading, critical thinking, and communication skills are emphasized.

Freshman Seminar 130:
Perspectives on the Environment **3 credit hours**

Offered in the January term

An experiential, interdisciplinary course that engages students in a broad study of the nature of their environment and addresses the basic question of what it means to be a steward of the environment. In classroom and field settings, students explore how human beings have changed and adapted the local environment of the Southern Appalachians and how human beings have used environmental resources in the development of their culture.

Freshman Research Seminar 140:
Perspectives on the American Community **2 credit hours**
Corequisite: Composition 120
Offered in the spring semester

A course in research methods examining issues and ideas that inform the experience of community and diversity in the United States. The culminating project is an independent research paper.

International Student Seminar 160 **3 credit hours**
Admission to the course requires a Michigan Test score of 70 or above.
Open to International students only.

Introduction to Maryville College, college life, and the culture surrounding American higher education. The course combines the goals of Orientation 110 and Freshman Seminar 120 and assists international students in the development of the academic and professional skills essential for college success.

Composition 110: English Composition **3 credit hours**

A writing course focusing on the art of the essay. Study of various strategies of invention and organization is combined with study of grammar and effective sentence structure. A fourth class hour is devoted to intensive study of sentence structure, except for those students who are exempted from the fourth year by placement procedures.

Composition 120:
Advanced Composition and Speech **3 credit hours**
Corequisite: Freshman Research Seminar 140
Prerequisite: English Composition 110 or placement into the course

A course in effective oral and written presentation and argumentation. The essays and oral presentations examine issues and ideas that inform the experience of community and diversity in the United States. Attention is directed to comparing and contrasting writing and speaking as modes of communication.

Biblical Studies 130:
The Old Testament World and Culture **3 credit hours**
Must be taken before the junior year

An introduction to the Old Testament and its cultural context, this course examines the religion of ancient Israel as it developed in concert and rivalry with its ancient Near Eastern Neighbors.

Biblical Studies 140:
The New Testament World and Culture **3 credit hours**
Must be taken before the junior year

An introduction to the New Testament and its cultural context, this course explores the development and growth of the early church's thought and community during the first two centuries C.E. The course pays particular attention to Christianity as a religion of the Greco-Roman world.

Statistics 120: Introductory Statistics **4 credit hours**
Prerequisite: Satisfactory performance on the mathematics placement exam, or Developmental Studies 105
Recommended for Freshmen and available to First-semester Sophomores

The course develops quantitative and computational skills necessary in the collection, organization, and interpretation of data. Topics include techniques in sampling and data organization, measures of central tendency and dispersion, an introduction to correlation and linear regression, elementary probability, confidence intervals and an introduction to hypothesis testing. The course is project-oriented and the laboratory component emphasizes the use of calculators, computers and statistically-oriented software.

Foreign Language 110 and 120 **4 & 4 credit hours**
Strongly recommended as a freshman/sophomore course; must be taken no later than the junior year

A course sequence designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs in a setting where the target language is used. Introductory courses are offered in French, German, Greek, Japanese, Latin, Spanish and American Sign Language. Detailed descriptions are found in the listings for each of the languages.

Western Civilization 180:
Foundations of European Civilization **3 credit hours**
Open to Freshmen and Sophomores only

The development of European civilization between the fall of the Roman Empire and the Italian Renaissance. Three key themes are integrated throughout the course: social, ethical, aesthetic ideals and realities; questions of religious belief; and the relationship between the individual and the community.

Western Civilization 390:
Europe in the Modern World **3 credit hours**
Prerequisite: Junior standing

The development of European society between the Reformation and the dawn of the twentieth century. Four key themes are integrated throughout the course: social, ethical and aesthetic ideals and realities; questions of religious and secular belief; the relationship between the individual and community; and revolution.

Fine Arts 140:
Introduction to the Fine Arts **3 credit hours**
Open to Freshmen and Sophomores only

Offered in separate sections, each emphasizing a single art, such as the visual arts, music, and theatre, while at the same time examining the interrelations between the arts. An exploration of the roles of art and artists in the world, the benefits of the arts, the materials, structures, and meanings of the arts, and some of the historic and cultural heritage. The course includes active participation and practice with the creative processes of the arts.

Fine Arts 340:
Explorations in the Fine Arts **3 credit hours**
Prerequisite: Literature 270 or 290 and junior standing

An exploration of the roles of art and artists in the world, the benefits of the arts, the materials, structures, and meanings of the arts, some of the historic and cultural heritage from a global perspective, and the aesthetic, moral, and ethical issues encountered in the arts. Offered in separate sections, each emphasizing a single art, such as the visual arts, music, and theatre, while at the same time examining the interrelations between the arts. The course includes active participation and practice with the creative processes of the arts and the completion of a substantial investigative and creative term project.

Literature 270:
The Early Western Literary Tradition **3 credit hours**
Prerequisites: Composition 120; Freshman Research Seminar 140
Open to Sophomores

A thematic approach designed to deepen understanding of the breadth, diversity and richness of Western culture

as well as to develop interpretive and critical skills. Readings include classical, medieval and Renaissance literary and philosophical texts.

Literature 290:
The Modern Western Literary Tradition **3 credit hours**
Prerequisites: Composition 120; Freshman Research Seminar 140
Open to Sophomores

A thematic approach designed to deepen understanding of the breadth, diversity and richness of Western culture as well as to develop interpretive and critical skills. Readings include neoclassical, romantic, modern and post-modern literary and philosophical texts.

Natural Science 150:
Principles in Scientific Investigation **4 credit hours**
Prerequisite: Statistics 120
Must be taken before the junior year

These courses develop the skills and attitudes necessary to understand and use critically the scientific mode of inquiry to explore the physical world. Integrative sciences such as astronomy, geology, human ecology, pharmaceutical chemistry and zoology are presented to provide significant depth of study in both classroom and field/laboratory settings.

Natural Science 350:
Topics in Natural Science **3 credit hours**
Prerequisite: Natural Science 150 and junior standing

These courses address the profound effects of scientific inquiry and technological change on contemporary societies. They apply scientific mode of inquiry and its philosophical and historical development to several different interdisciplinary topics in the natural sciences concerning national or global interests where scientific discoveries raise societal, economic, political, and/or ethical questions.

Social Science 260:
Perspectives on the Social Order **3 credit hours**
Prerequisite: Composition 120 and Freshman Research Seminar 140
Recommended for Sophomores; must be taken no later than the junior year.

An examination of the social sciences as a distinctive way of looking at the world. Although individual course content may vary, each course focuses on the fundamental challenging questions and the seminal responses to these questions that have occupied the disciplines of anthropology, economics, political science, psychology, and sociology.

World Cultures 310: Sub-Saharan Africa **3 credit hours**
Prerequisite: Junior standing

An examination of sub-Saharan Africa and African peoples from the development of early cultures and empires to the re-emergence of independent states. Emphasis is on West Africa, integrating geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 320: East Asia **3 credit hours**
Prerequisite: Junior standing

An examination of the peoples and cultures of China, Japan, and Korea, including the major cultural and institutional trends from their origins to the present. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 330: The Middle East **3 credit hours**
Prerequisite: Junior standing

An examination of the peoples and cultures of the Middle East from Egypt to Afghanistan. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 340:
The Indian Subcontinent **3 credit hours**
Prerequisite: Junior standing

An examination of the peoples and cultures of the Indian subcontinent including India, Pakistan, Bangladesh, Nepal and Sri Lanka. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 350: Comparative Cultures **3 credit hours**
Prerequisite: Junior standing

The comparative study of pre-literate, less-differentiated, primitive cultures throughout the world. The course may be organized by regions, subsistence types or forms of social organization. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

Experiential Education Requirement
The experiential education requirement may be satisfied in any of the following ways:

- *a 3 credit hour January experiential education course in the sophomore or junior year*
- *three credit hours (15 events) of Mountain Challenge (PER 125)*
- *a period of study abroad approved by the International Programming Committee*

Experiential education courses are offered occasionally in an evening format or in summer school.

Senior Seminar 480 **3 credit hours**
Prerequisite: Senior standing

A capstone course that provides the student with the skills and opportunity to integrate across at least two of the three modes of inquiry: scientific, artistic, humanistic. The approach is thematic and draws on global perspectives.

Ethics 490: Philosophical and
Theological Foundations of Ethical Thought **3 credit hours**
Prerequisite: Senior standing
Offered in the January term, with limited offerings at other times

A senior capstone, interdisciplinary course which considers the ethical dimension of the human experience, including historic and contemporary ethical frameworks designed to engage the students' ethical stances. Students reflect on general education, major courses of study and chosen vocation. Special concern to address service, global citizenship, and responsibility for the common good.

Learning By Experience

Every student's program of study centers on the familiar work of classroom and laboratory, library and studio. Yet important learning also takes place in less familiar settings, where the student is called upon to adapt to a new environment, to act without one's customary support system, to develop trust in one's own resources of intelligence and discipline. It is to encourage that kind of learning, so critical to personal maturity, that the College makes available a variety of special programs.

Experiential Learning Requirements

Certain experiential education requirements are a part of the core curriculum, and they are described under General Education in this catalog. All students take a freshman January course on the environment that uses an experiential approach, and all students must fulfill one additional experiential education requirement.

Experiential education emphasizes guided activity as a primary mode of learning. It is usually carried on outside the conventional setting of a classroom, library, or laboratory, and it typically does not take place at a study desk. While mastery of information, understanding of expert opinion and cognitive learning are not ignored, the stress is on effective change and growth. By exposing the student to unfamiliar tasks and environments, experiential learning encourages mental and emotional adjustments and promotes the development of new skills and attitudes. It has as a principal goal the creation of sense of achievement, personal competence, and self reliance.

Experiential learning begins with concrete experience, but it does not stop there. It also involves an important element of reflection, an effort to develop a clear view of what one is doing and to assess its value. These observations and reflections should lead the learner to new generalizations and concepts, fresh understandings of the world and oneself, and some enhancement of ability. Subsequently, new learning should be tested and refined in a different situation or additional experiences. At its best, experiential learning deepens the learner's sensitivity to social and physical surroundings and encourages him or her to use senses and wits more fully. Thus it affords powerful opportunities for holistic learning.

An "experiential education" course has the following characteristics:

1. It involves active and sustained participation by the student.
2. It is a kind of experience that the student has not had before.
3. It requires the student not only to do something new but to stand back from the activity, assess its significance, and draw conclusions about it.
4. It provides opportunities to test these conclusions (or in the case of a skill-oriented course, to demonstrate increased mastery.)
5. It has as a major goal some modification in attitude or outlook, some change in personal perspective, and some deepening of insight regarding oneself and others or oneself and the world.

Within the guidelines, experiential education courses are quite diverse in type. They include exploring a creative process, developing new physical skills, living for a time in an alien setting, or trying out a field through a "hands-on" approach. Courses having to do with service projects, life-enhancing activities, or new leisure skills and interests are especially appropriate.

Internships and Practica

Internships and practica are available in all major fields. They provide excellent opportunities to gain practical experience in field settings. Details on internships and practica may be found in the section of this catalog headed Academic Procedures and Regulations and under the course listings for academic fields.

Study Abroad

Mark Twain once wrote that "Travel is fatal to prejudice, bigotry and narrow-mindedness - all foes to real understanding." Recognizing the validity of that statement, Maryville College believes a period of travel and study outside the United States should be a part of one's education whenever possible. Confronting other cultures and viewpoints, learning about the customs and practices in other societies, coping with unfamiliar surroundings in a language not fully one's own can do much to deepen insights and broaden perspectives. Such experience can also foster remarkable personal growth.

A range of opportunities for guided travel and study is available. Some of these are sponsored directly by Maryville College. In recent years, for example, groups of students and faculty have used the January term for trips to Great Britain, India, Peru, Ecuador, and Venezuela. For more extended periods, however, it is advantageous for the College to associate with other institutions to expand and diversify what can be done. Through such associations Maryville students can experience life and study in many areas of the globe.

A period of study is possible at any time after the freshman year, but most students find the junior year, or the preceding summer, the most convenient time. Planning needs to be started well in advance, and is best done in close consultation with the faculty chair of the International Programming Committee. Approval for study abroad is required. Students apply to the International Programming Committee, they must meet minimum G.P.A. standards, and they must follow the application procedures set by the Committee. The programs listed here all carry full academic credit and, for direct exchange programs, grades are figured into student G.P.A.s. Students may also choose to study at foreign institutions with which Maryville College does not have a relationship. In those cases, financial aid is not available and credits earned are treated as transfer credit. Further, the College will scrutinize carefully, and may reject, credits earned at institutions overseas. The programs at institutions described in this catalog have been screened for academic quality and attention to the needs of students studying abroad.

Direct Exchange Programs

Study abroad programs are administered by the International Programming Committee. Detailed information on study abroad is found in a brochure available from the Committee or from the Office of Academic Affairs.

Maryville College maintains direct exchange programs with several overseas institutions. Students enroll at Maryville and may receive financial aid, including MC grants, if eligible. Program stipulations vary, but in most cases tuition funds are not exchanged. Under the reciprocal agreements, when a Maryville student studies at a related institution, a student from that institution may study at Maryville for an equal time period. While language study is available at all of the institutions listed below, instruction in English is the norm.

Study in Wales is available through the North East Wales Institute, a unit of the University of Wales located near the English border in the region of the historic city of Chester. NEWI offers a wide range of programs including liberal arts, teacher education, and environmental studies.

Students interested in the Spanish language and Latin American culture may study at the Inter American University of Puerto Rico, a Presbyterian-related institution, at the Iberoamerican University in Mexico City, and at the University of the Andes in Merida, Venezuela (through the VENUSA program).

Kansai University of Foreign Studies in Osaka, Japan, provides a way for students to learn first-hand about East Asia. The curriculum focuses on Asian Studies, and provides an important supplement to the course-work in international studies offered on the Maryville campus. Those who begin the study of the Japanese language at Maryville may continue it at Kansai University, or they may begin it there. Homestays are usually a part of the Kansai experience.

Students may also study at three institutions in Korea. Programs up to one year in duration are available at Han Yang University and Yonsei University in Seoul and at Han Nam University in Taejon. Summer study in French language and culture is available at the Centre International D'Etudes Francaises in Angers, France.

Other Study Abroad Opportunities

Programs listed in this category do not involve direct exchange with another institution, and costs may exceed those for a comparable period of study at Maryville College. Maryville College grants and scholarships are not available for study in these programs, but eligible students may receive state and federal aid or apply for loans.

Students may study in Mexico and several European countries through cooperative programs with Alma College. The Alma College program is operated in conjunction with the Europa-Kolleg in Kassel, Germany, the Alliance Francaise in Paris, France, the Tandem Escuela Internacional in Madrid, Spain and the Cursos Americanos e Internacionales in Segovia, Spain.

By arrangement with Kalamazoo College, Maryville students may spend six months or more studying at an African university or college. Participation is dependent upon admission by the African institution and selection by Kalamazoo College. For most programs, a summer's preparatory work at Kalamazoo is required.

Model United Nations

The Model United Nations program provides opportunities to develop talents and abilities that are highly valuable in a variety of pursuits. Maryville College students participate in Model United Nations activities in three ways. A January experiential learning course is regularly offered, and students enrolled in that course also serve as leaders for the Maryville College Model United Nations for area high school students. Outstanding participants in those programs may also represent Maryville at regional and national Model United Nations programs for colleges and universities.

The Washington Experience

For the student who wishes to spend a semester learning in the nation's capital, the Washington Center for Learning Alternatives provides a variety of possibilities. An internship, supplemented by seminars, may be arranged with any one of more than 400 governmental and social agencies. WCLA invites applications without regard to the student's field, but its programs are particularly suitable for those considering a career in law, public administration, or social service. The program is open to all students, and information is available from the Political Science faculty.

Research and Field Work in the Natural Sciences

Through several major research facilities, arrangements are made for superior students to participate in state-of-the-art scientific investigations and experience a professional research environment. The National Science Foundation supports a large number of summer undergraduate research programs, and the Science and Engineering Research Semester is open to qualified students in biology, chemistry, computer science, mathematics, and physics. Those accepted into these programs spend a summer, or even a semester at one of several research universities or national laboratories such as Argonne, Brookhaven, Lawrence Berkeley, Lawrence Livermore, Los Alamos, or Pacific Northwest working under the supervision of a scientist or engineer. At the Savannah River Ecological Station at Aiken, South Carolina, summer programs are offered for the student interested in environmental research or computer modeling systems. For the exceptional biology major, intensive sessions in botany, marine ecology, developmental biology, invertebrate zoology, and neurophysiology are available at the Marine Biological Laboratories of the Woods Hole Oceanographic Institute in Massachusetts.

Closer to the College campus, the Oak Ridge National Laboratories regularly afford Maryville students the chance to participate in a variety of short-term and summer research and study programs. The nearby Great Smoky Mountains provide students with a rich resource for ecological and other field studies.

Oak Ridge Associated Universities

Since 1990, students and faculty of Maryville College have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 87 colleges and universities and a management of operating contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education, the DOE facility that ORAU manages, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are especially designed to increase the numbers of under represented minority students pursuing degrees in the science- and engineering-related disciplines. A comprehensive listing of these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the Resource Guide, which is available on the World-Wide Web at http://www.orau.gov/orise/resgd/htm, or by calling either of the contacts below.

ORAU's Office of Partnership Development seeks opportunities for partnership and alliances among ORAU's members, private industry, and major federal laboratories. Activities include faculty development programs, such as the Junior Faculty Enhancement Awards and the Visiting Industrial Scientist Program, and various services to chief research officers.

For more information about ORAU and its programs, contact Dr. Robert J. Naylor, ORAU Council member, at 423-981-8278; contact the ORAU Corporate Secretary, at 423-576-3306; or the ORAU Home Page at http://www.orau.gov.

Mountain Challenge

The Mountain Challenge program provides an opportunity for students to get into the wilderness. Area mountains, lakes, rivers, and woods provide the setting for the various Mountain Challenge activities, which include:

Ropes Courses
Rock Climbing and Rapelling
Bicycle Trips
Map and Compass
Mountain Trips and Expeditions
Canoe/Kayak Trips
Caving
Mountain Rescue and First Aid
Outdoor or Environmentally-related service projects

Many of the events in the program require no experience or special equipment. The only requirements are a willingness to try new experiences and a commitment to your best effort. Onecredit hour may be earned by participating in five Mountain Challenge activities. Each student may earn up to three credit hours through participation in the Mountain Challenge program.Credit is granted through the activity course offerings in Physical Education.

Great Smoky Mountains Institute at Tremont

The Great Smoky Mountains Institute is located in the National Park some 20 miles from Maryville College. The program focuses on environmental education and on the natural and cultural history of the area. Formerly a program of Maryville College, the Institute is now operated by the Great Smoky Mountains Natural History Association, but a variety of opportunities at Tremont are available to Maryville College students. January term courses are occasionally offered at Tremont, and the Center's summer program includes offerings for college credit. Internships, practicum experiences and post-graduate work opportunities are also available. Interns and staff members work principally as instructors for the wide variety of groups that visit the Institute. Further information is available from the Institute Director.

Dismas House

Dismas House of Blount County, located near the College campus, is a residence for ex-prisoners and Maryville College students. The Dismas community operates as a half-way house for ex-offenders. Students live in and occasionally do volunteer work for the house, participating in the effort to foster reconciliation and re-adjustment for carefully screened men and women recently released from prison. The numerous Dismas Houses throughout the nation were founded by Father Jack Hickey and retain their character as Christian service organizations.

Student Literacy Corps/MCFamilies

Through the Maryville College Student Literacy Corps (MCSLC), students contribute to educational efforts in the greater community. The Literacy Corps combines traditional academic work and real-world experience to enhance student learning and enable students to make meaningful contributions to the community beyond the campus. In a campus-based component, students investigate and analyze the complex issues surrounding literacy education in the United States. In a community-based component, students participate in tutor orientation and training sponsored by the Maryville College Student Literacy Corps and then work as tutors in community literacy education programs. Tutor site placements include the Blount County jail, the Adult Basic Education Center, MCFamilies, an Even Start Literacy Project sponsored by the College, the Tennessee Department of Education, and local foundations, agencies, and religious organizations. Arrangements for the granting of credit may be found under Academic Procedures and Regulations.

Volunteer Services

Maryville College offers numerous opportunities for students to become involved in volunteer service. The Chaplain/Director of Volunteer Service coordinates a broad program that includes tutoring, adult literacy, work in social service agencies, environmental projects, and many other possibilities.

The Library

The Lamar Memorial Library is central to the mission and educational goals of Maryville College. In its commitment to service, the library provides resources and services designed to stimulate intellectual curiosity and to encourage and teach the use of information.

The library makes available access to a wide range of information sources. McQuest, the integrated library system, provides an electronic gateway to materials held in the library and resources available on the World Wide Web. Supplemented by electronic databases and Interlibrary Services, the collection of approximately 100,000 volumes strives to be current and suited to the research expected of Maryville College students.

During the academic year the library is open eighty hours each week. The spacious, relaxed atmosphere provides varied research and study areas, including individual carrels and group study rooms. Reference librarians are available during all hours of service to work with students to formulate information needs, identify sources, and assist in their use.

Librarians and teaching faculty are partners in the educational process. Information skills are taught across the curriculum with special emphasis during the freshman year. Through individual attention and class instruction, librarians help students develop skills for locating and evaluating information that will serve them in completing class assignments and in a lifetime of learning.

The library affirms and subscribes to the International Interlibrary Loan Code, the American Library Association Library Code of Ethics, and the American Library Association Library Bill of Rights.

Degree Requirements

Degrees Offered: Bachelor of Arts, Bachelor of Music

Basic Requirements

To receive any degree, the student must complete all requirements specified for that degree in the catalog in effect at the time of initial enrollment. For both degrees, a minimum of 128 semester-hours of credit must be earned with a cumulative grade point average of at least 2.0.

For both degrees, the courses taken must satisfy all general education, major, and major-related requirements. The English proficiency examination and a comprehensive examination in the major field must be passed.

Every candidate for a degree is expected to pursue his or her program of studies in residence at Maryville, especially in meeting general education and major requirements. If circumstances warrant, permission may be granted for non-resident credit. Approval of the appropriate division chairperson and the registrar is required in advance.

As a minimum, each degree candidate must complete at Maryville 45 credit hours, including 20 in the senior year and nine in the major field. These credit hours must be earned in regular courses taught at the College and may not include internships, practica, student teaching, or credit by examination. An exception to the senior year requirement is made for students in cooperative degree programs, who spend the senior year in residence at the cooperating institution.

The Maryville Curriculum General Education

A broadly based educational experience defines the liberal arts college. All students, regardless of major field, are required to complete the requirements described in a separate section of this catalog headed General Education.

Majors

As a degree requirement, each student completes an approved program of concentrated study in a major field. The major is commonly taken in a single discipline, along with several courses in related subjects. Some majors are interdisciplinary. An individualized major may be designed, however, to meet particular educational needs.

A disciplinary major consists of a minimum of 30 semester hours in a single discipline, including six hours devoted to a Senior Thesis, and, for the B.A., a maximum of 56 hours in all principal and related subjects. The teacher licensure track within some majors may exceed the 56 hour limit because of the addition of professional courses. For an individualized major, possible only with the B.A. degree, at least 18 hours in one subject, 12 hours in a related subject, and six hours in Senior Thesis are required; approval of the Committee on Individualized Instruction must also be obtained.

The student may select a major by the end of the freshman year, but such selection may wait until the sophomore year in some fields. Postponement of the choice beyond the sophomore year, or a subsequent change of field, is likely to delay graduation beyond the normal four years. A student planning to pursue a major in a highly structured program, where the sequence of courses is an important consideration, is encouraged to confer with the appropriate division chair early in the first year of enrollment. Such fields include the natural sciences, mathematics, teacher education, physical education, and the cooperative programs in engineering and nursing.

Permission of the division chair must be secured in order to major in any field. Approval must be registered on the proper form filed by the adviser with the College Registrar. Continuation in the major is contingent upon satisfactory academic performance. Substitutions for required major courses are granted only in rare instances and require the written approval of the division chair. For all courses taken to satisfy major requirements for both degrees, a cumulative grade point average of at least 2.0 must be earned with no more than four semester hours below the grade of "C-."

Two majors, Human Services and Business and Organization Management, may be completed by taking only evening courses.

Major Fields

The fields from which majors may be selected are:

Bachelor of Arts

American Sign Language
Art*
Biochemistry
Biology*
Business & Organization Management
Chemical Physics
Chemistry*
Chemistry/Teacher Licensure
Child Development and Learning*
Computer Science/Business
Computer Science/Mathematics
Economics*
Engineering
English*
Environmental Studies
Health Care (Nursing)
History*
Human Services
International Business
International Studies
Mathematics*
Music
Outdoor Recreation
Physical Education*
Physics-Mathematics/Teacher Licensure
Political Science*
Psychology
Religion
Sign Language Interpreting
Sociology
Spanish*
Teaching English as a Second Language*
Theatre
Writing/Communication

**Teacher Licensure Track available*

Bachelor of Music

Music Education (Vocal-General and Instrumental)
Performance (Piano and Vocal)

Cooperative, Dual Degree Major Programs - The Senior Year in Absentia

B.A./B.S. - Engineering

The cooperative, dual-degree in engineering program involves three years at Maryville College before transfer to the cooperating institution. Further information is available in the course listings section of this catalog under engineering. Maryville College has formal agreements with several universities.

B.A./M.S.N. - Health Care/Nursing

A cooperative, dual-degree program in nursing is also available. In five years, a student may earn the B.A. in Health Care from Maryville and the M.S. in Nursing from Vanderbilt University. Further information on the nursing program is available in the course listing section of this catalog under health care.

B.A./M.B.A. - Business

Maryville College cooperates with the University of Tennessee, Knoxville, in a five-year, B.A./M.B.A. program. Students study for three years at Maryville, completing general education courses and a few M.B.A. prerequisite courses and then move to the University for graduate study. The B.A. with a major in business is awarded after completion of the first year of graduate study. Further information is available in this catalog under the B.A. program in business.

Comprehensive Examination

In the final semester of the senior year every student takes a comprehensive examination in the major field. The examination is designed to test the breadth and depth of understanding of the field, and to assess how well material from individual courses has been integrated.

The nature of the examinations varies from department to department. Some are developed entirely by the department, while others may consist of a national standardized test supplemented by locally developed questions. Some exams include an oral component or a recital. Both general and departmentally specific guidelines for comprehensive exams are available from all academic division chairs.

The grade received on the comprehensive examination becomes part of the total academic record and appears on transcripts. It does not figure in the computation of the grade point average.

Senior Thesis

One of the distinctive features of a Maryville education is the Senior Thesis. Every degree candidate completes such a project in the major field, under the guidance of a faculty supervisor. The subject is of the student's own choosing and may take the form of literary or historical investigation, laboratory or field research, an interpretative effort, or creative activity in art or literature or music. The Senior Thesis requirement allows the student to exercise initiative, plan and complete a substantial piece of work, and gain the confidence and pride that comes from accomplishment. Regulations governing the Senior Thesis may be found in the section of this catalog headed Academic Procedures and Regulations.

Placement Testing

Entering freshmen, along with many transfer students, take several placement examinations. An exam in mathematics may indicate the need for required remedial work in Developmental Studies 105 (mathematics). This course prepares the student for college-level work and offers three Institutional Credits for satisfactory completion; the credits do not count toward the minimum needed for graduation. Exams in English and foreign language offer the possibility of placement in advanced courses and exemption from lower level courses.

English Proficiency Examination

In coursework and personal relations each student is steadily encouraged to develop the capacity to communicate effectively in written and spoken English. That capacity must also be demonstrated through satisfactory performance on an English proficiency examination, required of every student. The examination consists of an essay on a topic chosen from a group of topics of current interest. The essay is evaluated by two or more members of the English staff, who consider its organization, grammatical correctness, clarity, and overall quality.

The examination is given early in the fall semester. Students who have passed Composition 110 will be notified of the fall examination date by the Registrar's office. Transfer students who have passed Composition 110 or the equivalent must take the examination during the first semester of enrollment. For those students who transfer to Maryville College in January, a special sitting of the exam may be scheduled for early in the spring semester. All students must pass the exam before enrolling in Senior Thesis, the culmination of work in the major field. Students who fail the examination must attend a work shop staffed by English faculty, which meets one night a week for seven weeks during the fall semester. At the end of the workshop students will be retested. Those passing the examination at that time may begin their Senior Theses the following semester.

Minors

While there is no requirement to do so, any student may elect to complete one or more minor fields. The minor option allows the student to study an area of secondary interest in some depth, and to have that study listed on the academic record. The secondary field may be of a vocational or cultural interest, or it may serve to diversify one's preparation and enhance career opportunities.

A minor consists of at least 15 credit hours in a subject, including 12 hours in courses above the 100-level. Only courses in which a grade of "C-" or better is earned are counted toward minor requirements. If a minor is desired, students should make early plans to schedule the appropriate courses. Because minors are not required and the demand for courses is uncertain, regular offerings of all courses for every minor cannot be guaranteed. Specific requirements for each minor are to be found in the departmental listings.

In certain fields, a minor may serve as an additional endorsement for teacher licensure. Minor requirements for additional endorsements are set by academic advisers and may vary from the requirements for a standard minor.

Minors may be taken in most fields in which a major is offered. Minors are also available in the following areas:

Accounting
American Studies
Communications Studies
Computer Science
French
German
Medieval Studies
Philosophy
Physics
Statistics

Course Listings and Programs of Instruction

On the following pages the College's major and minor programs are described, along with the individual courses that are a part of each program. Only courses offered with some regularity are listed. Experiential education courses offered during the January term are listed annually in a special booklet rather than in this catalog.

Courses numbered 101-199 are primarily for freshmen, 201-299 for sophomores, and 300-399 for juniors and seniors. A few courses, numbered 401 and higher, are intended for seniors only. Close attention should be given to any prerequisites listed for courses above the 100 level.

Some courses are offered in alternate years; others are offered only as demand warrants. The College reserves the right to withdraw or reschedule any course when the number of qualified enrollees is insufficient or when a qualified faculty member is unavailable in a given semester. If there is sufficient demand for additional courses, they may be offered. A detailed Schedule of Courses booklet is published annually. Subject listings are as follows:

Accounting
Alexander Technique
American Sign Language and Deaf Studies
American Studies
Art
Biology
Business and Organization Management, and Accounting
Chemistry
Child Development and Learning
Communications Studies
Computer Science
Dance
Debate
Developmental Studies
Economics
Education
Engineering
English
English as a Second Language
Environmental Science
Environmental Studies
Foreign Languages
French
German
Greek
Health Care/Nursing
History
Humanities
Human Services
International Business
International Studies
Japanese
Latin
Management
Mathematics
Medieval Studies
Music
Nursing/Health Care
Outdoor Recreation
Philosophy
Physical Education, Health and Recreation
Physics
Political Science
Psychology
Religion
Sign Language/Interpreting
Social Sciences
Sociology
Spanish
Speech
Teaching English as a Second Language
Theatre
Writing/Communication

Accounting

The **Minor in Accounting** is designed to supplement a student's preparation in a major field. It provides additional depth in the field and background for further study. The minor in Accounting requires completion of 22 credit hours: Business 215, 316, 365, and 341; also required are Computer Science 124 and 125; Economics 201 and Mathematics 125. To be eligible to take the CPA exam, a person must have 150 college credit hours, including four additional upper level accounting courses beyond what is offered at Maryville College. Superior students interested in accounting who have completed Maryville College degree requirements may be eligible for the 15-month Master of Accountancy program available at the University of Tennessee. Most graduate institutions offer similar programs. Course listings for accoutning appear under the business heading in this catalog.

Alexander Technique

Mr. Lee

241. Alexander Technique **1 credit hour**

Private lessons in Alexander Technique, a wholistic means for optimizing physical performance. (The student registers through the College and pays the lesson fees to Mr. Lee.) One hour lesson per month (a minimum of four lessons), a minimum of two hours practice per week, reading, and writing are required. A maximum of 6 credit hours may be counted toward graduation requirements.

American Sign Language

Two majors offered at Maryville College draw on American Sign Language, the major in Sign Language Interpreting and the major in American Sign Language and Deaf Studies. Courses and major requirements are listed under Sign Language Interpreting in this catalog.

American Studies

Assistant Professor Berry, Coordinator

The Minor in American Studies consists of 15 credit hours and involves courses in six fields. Required are one course in English chosen from either English 221, 222 or 322; one course in History chosen from either History 111, 112, 203 or 331 and Political Science 122. Majors in English, History, and Political Science are required to take the two additional courses outside of their major field. These six additional hours are to be selected from the following list of courses. Courses are described under respective departmental listings.

English 221: American Literature: Puritan Through Romantic
English 222: American Literature: Realism Through Modernism
English 322: Advanced Studies in American Literature

History 111: Colonial and Revolutionary America
History 112: History of the United States in the 19th Century
History 203: History of the United States in the 20th Century
History/Business 251: Economic History of the United States
History 331: Themes in the American Experience

Music 312: History of Music in the United States

Political Science 122: American Government and Politics
Political Science 321: American Political Process
Political Science 322: The Judicial Process

Religion 111: The American Religious Experience

Art

Associate Professor Bianco, Assistant Professor Gombert

The **Major in Art** consists of at least 42 credit hours in studio art and art history. Required courses are 101, 102, 103, 105, 211, 212, 351-352, and six courses chosen from 201, 202, 206, 203/303/403, 204/304/404, 205/305/405, or 311. Each student is required to prepare a slide portfolio of his or her work and to present a senior exhibit.

A second track in the major, **Art for Teacher Licensure**, consists of 36 credit hours in studio art and art history. Required courses are 101, 102, 103, 105, 203, 206, 211, 212, 351-352, and two courses chosen from 201, 202, 203/303, 204/304, or 205/305. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 31 credit hours of professional courses in teacher education, including Education/Art 343 (4 credit hours). Professional courses are listed under Education in this catalog. Each student is required to prepare a slide portfolio of his or her work and to present a senior exhibit.

The minor in Art consists of 15 credit hours including one course chosen from 101, 102, 103, or 105, either 211 or 212, and three additional courses in studio art or art history. Concentration in a single studio discipline or in art history is usually advised.

101. Drawing **3 credit hours**
An introduction to fundamental aspects of drawing including line, value, form, space, and composition. Emphasis is placed on increasing visual awareness, developing proficiency in various media, and improving drawing skills.

102. Introduction to Two-Dimensional Design 3 credit hours
An introduction to the principles of art structure in two dimensions, taught through experimental exercises and applied problems in the visual organization of line, volume, mass, texture, movement, and color. Workshops, lectures, demonstrations, and individual and group critiques are used.

103. Introduction to Sculpture and Three-Dimensional Design **3 credit hours**
An examination of basic problems involving form, light, color, and volume. Materials considered include clay, metal, wire, wood, paper, plaster, and various new media. The possibilities and limitations of tools, equipment, techniques, and materials are explored. Acquisition and development of skills

are stressed through workshops, demonstrations, lectures, and critiques.

105. Introduction to Painting **3 credit hours**
Prerequisite: Art 101 or permission of the instructor
An introduction to the materials and techniques of acrylic painting. Emphasis is placed on refining powers of observation (including work from live models), composition, and color theory.

201. Introduction to Pottery **3 credit hours**
An introductory course in the basic techniques for clay preparation and handbuilding. Wheel throwing, glaze and slip application, decorating and firing techniques are included. The applications of clay and other media in relief and three-dimensional works are considered; traditional and contemporary uses are encouraged.

202. Introduction to Photography **3 credit hours**
Photography considered as an art form, with attention to basic concepts, techniques, and processes. The adjustable camera, lighting, exposure, film and darkroom procedures are studied. Other electronic imaging considered as time permits. 35mm SLR camera required.

203/303/403. 2-D Media Lab **3 credit hours**
Prerequisites: Six hours in art including the introductory course in the area of emphasis, or permission of the instructor
Experimental, intermediate, and advanced work in the following studio areas: 2-D design, drawing, painting, or printmaking. Balancing individual instruction, cooperative teaching and learning, and independent research, the course guides student experimentation with materials, techniques, and ideas. Two-Dimensional and Three-Dimensional labs meet together at least three hours each week; at least three additional hours per week are required. Student work is presented in a public critique at the end of each semester. May be repeated for credit.

204/304/404. 3-D Media Lab **3 credit hours**
Prerequisites: Six hours in art including the introductory course in the area of emphasis, or permission of the instructors
Experimental, intermediate, and advanced work in the following studio areas: 3-D design, pottery, or sculpture. Balancing individual instruction, cooperative teaching and learning, and independent research, the course guides student experimentation with materials, techniques, and ideas. Two-Dimensional and Three-Dimensional labs meet together at least three hours each week; at least three additional hours per week are required. Student work is presented in a public critique at the end of each semester. May be repeated for credit.

205/305/405. Electronic Media Lab **3 credit hours**
*Prerequisites: Six hours in art or permission of the instructors. Studio areas marked with * have separate introductory courses which should be taken first*
Beginning, intermediate, and advanced work in the following studio areas: computer graphics, graphic design, multimedia, or photography*. Balancing individual instruction, cooperative teaching and learning, and independent research, the course guides student experimentation with materials, techniques, and ideas. Students meet as a group at least three hours each week; three additional hours per week are also required. Student work is presented in a public critique at the end of each semester. May be repeated for credit.

206. Introduction to Printmaking **3 credit hours**
Prerequisites: Art 101 and 102 or permission of the instructor
An introduction to the basic printmaking processes, including intaglio, relief, monoprinting, lithography, screenprinting, and some photographic methods. Each student develops a portfolio of prints, concentrating on one process. Special attention is given to the imaginative and creative uses of line, tone, texture, and color.

211. Ancient and Medieval Art **3 credit hours**
Prerequisite: Sophomore standing
A survey of painting, sculpture and architecture in the Western world from Paleolithic through medieval periods. Taught through illustrated lecture and discussion, the course examines social functions of art and the relationship of art to various cultural and philosophical systems.

212. Renaissance, Baroque and Modern Art **3 credit hours**
Prerequisite: Sophomore standing
A survey of Western art from the 14th through the 20th centuries. Taught through illustrated lecture and discussion, the course examines changes of style, iconography and function, changing conceptions of art and artists, and various methods of the art historian.

311. Seminar in Art History **3 credit hours**
Prerequisite: Sophomore standing
Intensive study of the arts of a particular region and/or period. Topics may vary depending upon student and faculty interest. Instruction balances lecture, discussion, and independent research. May be repeated for credit with a different topic.

337. Internship **9-15 credit hours**
Prerequisite: 3 credit hours of 203, 204, or 205 and permission of the instructor
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists.

343. Practicum **2-6 credit hours**
Prerequisite: 3 credit hours of 203, 204, or 205 and permission of the instructor
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists.

349. Topics in Art **3 credit hours**
Prerequisite: Permission of the instructor
Topics, selected in accordance with student interest, may include studio areas not usually offered, art philosophy and criticism, museology and conservation, and interdisciplinary offerings.

351-352. Senior Thesis **6 credit hours**
Individual research, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Biology

Associate Professors Ramger, Threadgill and Torres, Assistant Professors Crain and Willis

The curriculum in biology provides the student sound preparation in the major areas of biological science while permitting concentration in specialized areas of particular interest. Field study in the nearby mountains and lakes and opportunity for research through Oak Ridge Associated Universities and National Laboratories such as Argonne, Brookhaven and Oak Ridge complement the curriculum.

The major in biology provides a comprehensive curriculum for students planning careers in which biological knowledge plays a central role. With careful elective choice students may pursue careers as professional biologists in any of the numerous subfields and enter graduate school programs that lead to research-oriented careers, or they may enter medical school or other health-related programs.

The **Major in Biology** consists of 47 hours in biology and chemistry. Required coursework includes Biology 113, 115, 221, 222, 351, 352, 399, 301 or 355, 305 or 306, 321 or 341, and one course chosen from 349, 402, 404, 405, 406, 412, and 445; and Chemistry 121 and 122. Through a Career Advising Plan developed in consultation with an academic adviser, students develop a program of elective coursework in a variety of subjects individualized to their career goals. Specific requirements of particular post-graduate institutions should be ascertained early in the undergraduate program since they may require courses for admission beyond the minimum required for the biology major. An adviser on Health-Related Professions is available to assist students planning careers in medicine and other health professions. Suggested languages are German, French or Spanish.

A second track in the major, **Biology for Teacher Licensure**, is designed for students planning careers as teachers of biology and of general science and physical science at the secondary level. The major in Biology for Teacher Licensure consists of 43 hours in major and related fields. Required coursework includes Biology 113, 115, 221, 222, 321, 351, 352, 399, 412; Chemistry 121 and 122; and Mathematics 115. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Sociology 271, and Biology 311. Students pursuing this major must complete 29 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog. Suggested languages are German, French or Spanish.

Requirements for the major in Biochemistry are listed in the Chemistry section of this catalog.

The **Minor in Biology** requires a minimum of 21 hours, including Biology 113, 115, 221, 222; Biology 399 or Chemistry 399; and at least one course at the 300 or 400 level that satisfies requirements for the Major in Biology. The Minor in Biology is not open to students majoring in Biochemistry.

113. Principles of Organismal Biology **4 credit hours**

Prerequisite: None

An introduction to the fundamental principles and concepts of organismal biology. Topics include: a phylogenetic survey of the Kingdoms with emphasis on Plantae and Animalia; an introduction to Mendelian genetics; and the concept of the evolution of living organisms through natural selection as a unifying principle of biology. Laboratory work supplements and expands lecture topics as well as provides an introduction to scientific observation, use of the microscope,collection and analysis of data, and construction of laboratory reports.

115. Principles of Cellular Biology **4 credit hours**

Prerequisite: None

An introduction to the fundamental principles and concepts of cellular biology. Topics include cellular ultrastructure and physiology; basic biochemistry of the cell; bioenergetics; photosynthesis; and nuclear and cell division. Laboratory work supplements and expands lecture topics, and deals with cellular organization and function as well as biochemical and physiological processes. An emphasis is placed on collection, analysis, and presentation of data.

217. Human Anatomy **3 credit hours**

Pre- or Corequisite: Chemistry 117 or 121

A survey of the structure and function of the human integumentary, nervous, skeletal, and muscular systems. An introduction to cells and tissues is included. Laboratory work involves examination of models, mammalian dissections, and the study of skeletons.

218. Human Physiology **4 credit hours**

Prerequisite: Chemistry 117 or 121

A survey of the structure and function of the human digestive, respiratory, circulatory, immune, urinary, endocrine, and reproductive systems in humans. Laboratory work involves examination of models, mammalian dissections, and measurement of physiological processes.

221. Genetics **4 credit hours**

Prerequisite: Biology 115

A survey of genetics which blends classical concepts (Mendelian, and population genetics) with modern biochemical and molecular explanations. The course emphasizes gene expression and regulation in both prokaryotes and eukaryotes, non-Mendelian inheritance, and the ethical

aspects of genetic engineering. Laboratory work provides opportunities to use classical genetics as well as biochemical and molecular techniques.

222. Ecology **4 credit hours**

Prerequisite: Biology 113

An introduction to the principles and concepts of ecology with emphasis on the interaction of organisms with the physical environment, dynamics of populations, structure and function of communities, and relevance of ecological principles to human affairs. Topics include: biomechanical, behavioral and physiological adaptation to environmental conditions; acquisition of resources; competition within and between species; predation; decomposition; parasitism; mutualism; energy flow; material cycles; community structure and stability; succession; and species richness. Laboratory work emphasizes collection, analysis, and interpretation of experimental data, and makes use of controlled environmental chambers, the greenhouse and Maryville College woods, and nearby lakes and rivers.

301. Cell Biology **4 credit hours**

Prerequisite: Biology 221 and Chemistry 122

An advanced study of the structure and function of cell with emphasis on the eukaryotic cell. Processes involving the whole cell, such as bioenergetics, membrane transport, cell signaling, cell movement, and cell differentiation are also examined. Laboratory work emphasizes microscopic and biochemical studies of intact cells and isolated organelles.

305. Vascular Plant Diversity and Angiosperm Taxonomy **4 credit hours**

Prerequisite: Biology 113 and at least sophomore standing

A phylogenetic overview of the organisms traditionally considered plants. Distinguishing characteristics of the major groups of Cyanobacteria, Fungus-like Protista, Fungi, Algae and Plants are examined. Laboratory exercises investigate the characteristics or representative members of groups of plants and introduce techniques for identification of flowering plants native to and naturalized within eastern Tennessee.

306. Plant Anatomy and Physiology **4 credit hours**

Prerequisite: Biology 113, 115 and Chemistry 121

A survey of the anatomy and physiology of seed plants with emphasis on the relationship between structure and function. Tissues and organs of the plant body are examined in terms of both their structure and development. Physiology topics include: transport of fluids; photosynthesis and respiration; secondary metabolites; hormones and growth regulators; movement; and growth responses to environmental stimuli. Laboratory exercises investigate the anatomical construction of plants and their fundamental metabolic processes.

311. Natural History of the Southern Appalachians **4 credit hours**

Prerequisite: Natural Science 150 or other laboratory science course

A field-oriented investigation of the landforms, flora and fauna of the Southern Appalachians. Topics include: relationships between climate, geology, and topographic features; recognition of common biotic communities; identification of characteristic plants, animals, and fungi along with their habitats; roles plants, animals and fungi play within communities; and impact of human activity on ecosystems. Substantial field work in the Maryville College woods and local points of interest, including the Great Smoky Mountains National Park, is required. Course includes three all-day trips on Saturdays during the semester.

321. Comparative Vertebrate Anatomy **4 credit hours**

Prerequisite: Biology 113

A study of the structure, function and evolutionary adaptations of the major organ systems of the vertebrates. The skeletal, muscular, integumentary, circulatory, respiratory, digestive, excretory, endocrine, nervous and sensory systems are examined for the vertebrate groups. Laboratory work involves examination of microscope slides, models, and dissection of the major organ systems of the marine toad and the rat and compares systems of these forms with those of representative fish, reptiles and birds.

337. Internship in Biology **9-15 credit hours**

Prerequisite: At least 2.8 GPA in major/related courses, junior or senior standing and division approval

Practical off campus experiences that apply methodologies and techniques of the biological sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each week of full-time employment.

341. Invertebrate Zoology **4 credit hours**

Prerequisite: Biology 113

A study of the morphology and ecology of the major invertebrate phyla, protozoa through echinodermata. The protozoans and freshwater planktons are emphasized, as are insect ecology and taxonomy. Laboratory exercises involve collecting, culturing, and characterizing live freshwater and terrestrial invertebrates. An insect collection containing 50 families and 10 phyla is required.

343. Practicum in Biology **2 to 6 credit hours**

Prerequisite: At least 2.8 GPA in major/related courses, junior or senior standing and division approval

Practical experiences, either on or off campus, that apply methodologies and techniques of the biological sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Topics in Biology 1 to 3 credit hours

Prerequisites: At least 15 hours in biology, junior or senior standing, and permission of the instructor

Seminars involving the detailed study of advanced topics in biology not encountered in other coursework. Selected subjects are developmental biology, immunology, recombinant DNA techniques, and the ecology of seeds and seedlings.

351-352. Senior Thesis **6 credit hours**

Prerequisite: At least 19 hours in biology and 8 hours in chemistry

Independent research in an area of interest to the student. The project is carried out under supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.

355. Microbiology **4 credit hours**

Prerequisite: Biology 221

The basic principles and methodologies of the study of microbial organisms with emphasis on the eubacteria. Topics include: cellular ultrastructure and physiology; microbial metabolism and growth; properties and reproduction of viruses; microbial ecology; pathogenicity; and industrial applications of microbiology. Laboratory work stresses basic research techniques: microscopy, culture growth, isolation and identification of microbes, and mutation studies.

399. Research Seminar **1 credit hour**

Prerequisite: Junior standing

Professional activities in the student's chosen field, such as professional ethical standards, literature searches, instruction in scientific paper preparation and presentation, and issues and trends within the profession and discipline, are examined within a seminar setting.

402. Herpetology **4 credit hours**

Prerequisites: Biology 113, either 222 or 321, and junior or senior standing

A study of the amphibians and reptiles. Topics include biochemical, taxonomic, physiological, ecological and populational aspects of amphibian and reptilian biology. Laboratory work emphasizes southern Appalachian amphibians and reptiles, requires a live collection, and involves proper techniques of catching, studying, identifying and maintaining amphibians and reptiles.

404. Animal Physiological Ecology **4 credit hours**

Prerequisites: Biology 113, either 222 or 412, Chemistry 121 and junior or senior standing

An advanced study of how individuals interact with their environment and what constraints the environment places on an animal's physiology and behavior. Laboratory work includes methodologies used in physiological ecology and discussions of current physiological ecology research.

405. Ecology of Populations and Communities **4 credit hours**

Prerequisites: Biology 222, Statistics 120 and junior or senior standing.

An advanced study of the dynamics of populations of organisms and of the structure and function of biological communities. Topics include: demography; life history strategies; competition; trophic interactions; energy flow; material cycles; community structure; disturbance; and succession. Laboratory work emphasizes the collection, analysis and interpretation of experimental data and makes extensive use of the greenhouse and Maryville College woods.

406.Molecular Biology **4 credit hours**

Prerequisites: Biology 221, Chemistry 224 and at least one course from among Biology 301, 355, and Chemistry 311

A survey of molecular biology which emphasizes traditional research areas such as DNA, RNA and protein structure and function. The uses of molecular biology techniques in such diverse fields as immunology, genetics, and animal and plant physiology are examined. In the laboratory students learn methods used to isolate DNA and RNA and explore electrophoretic techniques used to study the characteristics of these macromolecules.

412. Comparative Animal Physiology **4 credit hours**

Prerequisites: Biology 115, Chemistry 122 and junior or senior standing

An advanced study of the major physiological systems including respiration, circulation, excretion, osmoregulation, sensory physiology, neurophysiology, muscles, endocrinology, reproduction and integrative system function (growth, metabolism, temperature regulation). Emphasis is placed on human homeostasis and deviation from homeostasis (disease), as well as on comparative physiology. Laboratory work employs methods used in animal physiology and involves both student and animal subjects, and emphasize all aspects of the scientific process (hypothesis, experimental design, data analysis and presentation).

445. Limnology **4 credit hours**

Prerequisite: Biology 341

An advanced, field-oriented study of the ecology of fresh water lakes and ponds. Lectures and laboratory work focus on developing a limnological picture for each of several Tennessee Valley Authority lakes and local ponds, with critical comparisons of their responses to seasonal variations. Topics include: conservation and management of natural wetlands; EPA-designed water pollution testing; and a variety of sampling and analysis methods such as depth curves, secchi disk readings, oxygen and temperature profiles, and E. coli counts.

Business and Organization Management, and Accounting

Associate Professor Sullivan, Assistant Professors Gallagher and Ripley, Dr. Crawford, Ms. Galyon, Ms. Wentz.

The major in Business and Organization Management is designed to give the student a knowledge of the basic principles and analytical tools of organization management and an understanding of the social, economic, and political environments in which organizations operate. This approach makes it possible for the student to consider a range of career fields in the for-profit and not-for-profit, and public sectors. The major also provides the student a foundation for future graduate study.

The **Major in Business and Organization Management** consists of a minimum of 48 hours in business and related fields. Required courses are Business 201, 215, 305, 344, 351-352, 401, Economics 201, Sociology 101, and Computer Science 124 and 125. The student must also complete one course in economics at the 300-level, and one course from among Political Science 121, 122, 211, 212, and 232. Also required is one course from Math 125, 221 or 222,. In addition, each student must complete at least 9 hours chosen from any course listed in business and economics, or could include Social Science 301, Sociology/Psychology 221, and English 317.

The major in Business and Organization Management is one of two majors available to students studying only in evening classes.

A **Major in International Business** is also available. Requirements are listed under International Business in this catalog.

The **Minor in Business and Organization Management** consists of a minimum of 16 hours, including Business 201, 215, and Economics 201. The minor is completed with six additional hours chosen from any business or economics course. The minor is not open to students majoring in International Business.

The **Minor in Accounting** is designed to supplement a student's preparation in a major field. It provides additional depth in the field and background for further study. The minor in Accounting requires completion of 22 credit hours: Business 215, 316, 365, and 341; also required are Computer Science 124 and 125; Economics 201 and Mathematics 125. To be eligible to take the CPA exam, a person must have 150 college credit hours, including four additional upper level accounting courses beyond what is offered at Maryville College. Superior students interested in accounting who have completed Maryville College degree requirements may be eligible for the 15-month Master of Accountancy program available at the University of Tennessee. Most graduate institutions offer similar programs.

The **B.A./M.B.A. Program in Business,** a Senior Year in Absentia program, is a cooperative venture with the University of Tennessee, Knoxville. Students study for three years at Maryville College, completing 54 hours of general education courses and a total of 98 credit hours. Other M.B.A. pre-requisite courses include Economics 201, Business 215, 316, and 344, and Mathematics 125. Students placing below Mathematics 125 on the math placement exam are required to take the appropriate preparatory math course(s). Neither the comprehensive exam nor the Senior Thesis is required for this program. Students study for two years at the University, and the B.A. is awarded by Maryville College after one year of graduate study, assuming the completion of all undergraduate coursework and all first year M.B.A. courses. The M.B.A. is awarded by the University after all graduate requirements are satisfied. Admission to the graduate program is not guaranteed; students must meet the University's graduate admissions standards and be recommended by the Social Science Division faculty.

201.Principles of Management **3 credit hours**

Prerequisite: Sophomore standing.

Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, leading, and evaluating and on the evolution of management theory and practice.

215. Principles of Accounting **3 credit hours**

An introduction to the process of analyzing and recording financial transactions for the purpose of preparing financial statements, cash flow budgets, ratio analysis, and using other financial tools. Emphasis on how transactions affect the financial position of the organization.

251. Economic History of the United States 3 credit hours

Survey of American economic development from colonial times to the present. Special emphasis on the economic development of the South, the industrialization of the American economy, the development of banking and the impact of international trade.

305.Organizational Behavior 3 credit hours

Prerequisite: Sociology 101 and Business 201 or consent of instructor

Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The focus is on the individual, the group and the organization as units of analysis.

316. Management Accounting 3 credit hours

Prerequisite: Business 215

Internal use of accounting information by managers in decision-making. The generation and use of information in all types of organizations - including manufacturers - for planning and control purposes, including budgeting and various decision-making circumstances.

329. International Business 3 credit hours

Prerequisite: Junior standing, Business 201 and 215

An introduction to the fundamental economic, cultural, legal, and political issues involved in transacting business in an international setting. Among topics discussed are government influence on trade, international financial markets, and social issues. May involve readings in the student's second language.

333. Human Resource Management 3 credit hours

Prerequisite: Business 201

The acquisition, development, and management of human resources. Applied approaches to the legal, psychological, sociological, and technical dimensions of human resources.

337. Internship in Business and Organization Management 9-15 credit hours

Prerequisite: Junior standing

Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

341. Business Law 3 credit hours

Prerequisite: Junior standing

An introduction to the U.S. legal system involving case studies. Torts, contracts, agency and employment relationships, and commercial papers are considered.

342. Marketing 3 credit hours

Prerequisite: Junior standing

An examination of individual and organizational activities aimed at facilitating market exchanges. Emphasis is on the mix of marketing variables (product, place, price, and promotion) and how they influence and are influenced by marketing research and market segmentation.

343. Practicum in Business 2 or 3 credit hours

Prerequisite: Junior standing and permission of the business faculty

Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to business majors. Not to be counted toward a major in business and organization management. One credit hour is associated with each three hours of work every week for a 14-week semester.

344. Principles of Finance 3 credit hours

Prerequisite: Business 215

Principles of financial management, including ratio analysis, capital budgeting and cost of capital. Includes an introduction to financial markets and the valuation of financial investments.

346. Management Through Literature 3 credit hours

Prerequisite: Business 201

A study of managers and management style as depicted in creative literature.

349. Selected Topics in Business 3 credit hours

Prerequisite: Six hours in management or business

Examination of topics in business. Topics vary depending on interest of faculty and students. Offered as demand warrants.

351-352 Senior Thesis 6 credit hours

Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

365. Intermediate Accounting 3 credit hours

Prerequisites: Junior standing and Business 215 and 316.

Theory, principles, and procedures related to valuation of assets, liabilities, and equities; measurement of periodic income; and preparation of financial statements.

401. Strategic Management 3 credit hours

Prerequisite: Senior standing and permission of the instructor.

Emphasizes the integration of knowledge through analysis of business and organizational management problems in business, government, church, school, and other organizations. The case study method is used. Open only to business and organization management majors and minors and international business majors.

Chemistry

Professors Bunde and Naylor, Assistant Professor Schrum

The curriculum in chemistry affords the student sound training in the principles and techniques of modern chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing chemist, and yet permits concentration in the organic/biochemical or analytical/physical subdisciplines. Opportunity for research through the Oak Ridge Associated Universities and National Laboratories such as Argonne, Brookhaven, Los Alamos, and Oak Ridge complement the curriculum. Three distinct major programs are offered.

The major in chemistry provides a comprehensive curriculum for students planning careers in which chemical knowledge plays a central role. With careful elective choice students may pursue careers as professional chemists and enter graduate school programs that lead to a variety of research-oriented careers, or they may enter medical school or other health-related programs. The **Major in Chemistry** consists of 50 hours of chemistry and related fields. Required coursework includes Chemistry 121, 122, 223, 224, 264, 351, 352, 361, 381, 399, and one course chosen from 311, 364 and 425; Mathematics 125 and 225; and either Physics 101 and 102 or Physics 201 and 202. Specific requirements of particular post-graduate institutions should be ascertained early in the undergraduate program since they may require courses for admission beyond the minimum required for the major in chemistry. An adviser on Health-Related Professions is available to assist students planning careers in medicine and other health professions. Suggested languages are German or French.

A second track in the major, **Chemistry for Teacher Licensure**, consists of 46 hours in chemistry and related courses and is designed to accommodate students planning careers as teachers of chemistry and of general and physical science at the secondary level. Required coursework includes Chemistry 121, 122, 223, 224, 264, 311 or 364, 351, 352, 361, and 399; Biology 115; Mathematics 115 and 125; and Physics 101. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Sociology 271, and Biology 311. Students pursuing this major must complete 29 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog. Suggested languages are German, French or Spanish.

The major in biochemistry provides an interdisciplinary curriculum for students planning careers expected to have significant biochemical emphasis. With careful elective choice students may pursue careers as professional chemists, enter graduate school programs that lead to a variety of research-oriented careers, or they may enter medical school or other health-related programs. The **Major in Biochemistry** consists of 55 hours in chemistry, biology and related fields. Required coursework includes Chemistry 121, 122, 223, 224, 311, 351, 352, and 399; Biology 115, 221, and 406; Mathematics 125 and 225; and either Physics 101 and 102 or Physics 201 and 202. Specific requirements of particular post-graduate institutions should be determined early in the undergraduate program since they may require courses for admission beyond the minimum required for the biochemistry major. An adviser on Health-Related Professions is available to assist students planning careers in medicine and other health professions. Suggested languages are German and French.

Requirements for the **Major in Chemical Physics** are listed in the Physics section of this catalog.

The **Minor in Chemistry** requires a minimum of 20 hours, including Chemistry 121, 122, 223, 224; Chemistry 399 or Biology 399; and at least three additional hours in chemistry courses that satisfy requirements for the major in Chemistry. The minor in Chemistry is not open to students majoring in Biochemistry or Chemical Physics.

117. Fundamentals of Chemistry I **4 credit hours**
Prerequisite: Qualification to enter Mathematics 115 or 120

Introduction to the fundamental principles of chemistry with emphasis on inorganic chemical concepts. Topics include the physical properties of matter, periodic relationships of elements, chemical bonding and nomenclature, basic stoichiometric and equilibrium relations, gas laws and kinetics, solution and acid-base chemistry. Laboratory work emphasizes physical measurement, chemical stoichiometry, acid-base chemistry and titration.

121. Principles of Chemistry I **4 credit hours**
Prerequisite: Qualification to enter Mathematics 115 and either high school chemistry or sophomore standing

An introduction to the principles which govern the behavior of chemical and physical systems. Among topics discussed are elements, compounds and the periodic table; chemical reactions and stoichiometry; thermochemistry; atomic theory; quantum theory of atoms and molecules; chemical periodicity; bonding and molecular structure; organic compounds. Laboratory exercises stress development of proper experimental technique and interpretation of empirical data.

122. Principles of Chemistry II **4 credit hours**

Prerequisite: Chemistry 121

Continuation of Chemistry 121. Topics include: gas laws and kinetic molecular theory; molecular polarity and intermolecular forces; modern spectroscopic structure determination; physical and colligative properties of liquids and solutions; reaction kinetics; general and acid-base equilibria, pH, and buffers; ionic solid solubility; free energy and entropy relations;electrochemical phenomena. The laboratory continues development of manipulative skills, with emphasis on quantitative as well as qualitative procedures. Skills in scientific writing are developed through formal laboratory reports.

223. Organic Chemistry I **4 credit hours**

Prerequisite: Chemistry 122

An introduction to the chemistry of carbon compounds. Nomenclature (IUPAC) and chemistry principles of both aliphatic and aromatic hydrocarbons and heteroatomic functional groups are emphasized. Physical and chemical properties, synthetic mechanisms, spectroscopic properties, and organic chemical synthetic methods are studied for each of the major functional groups. Emphasis is placed on modern tools by which structural and mechanistic properties are discovered: infrared, proton and carbon nuclear magnetic resonance, and mass spectrometry. Laboratory experiments employ the microscale approach and concentrate on separation methods (column, thin-layer and gas chromatography) and chemical characterization techniques. Single-step synthetic conversions and spectral analysis of products are emphasized in the laboratory.

224. Organic Chemistry II **4 credit hours**

Prerequisite: Chemistry 223

An examination of the fundamental organic functional groups and their characteristic interconversions, with emphasis on biological, medicinal, pharmacological, and industrial examples. Special emphasis is placed on multi-step synthetic pathways. Advanced techniques for separation and spectral characterization (multinuclear NMR, 2-d NMR, FT-IR, and MS) of synthetic products are discussed and employed. The chemical literature is introduced through discussions of print and electronic retrieval methods for synthetic procedures, physical and spectral properties, and safety data. Laboratory investigations involve multi-step syntheses using the microscale approach, with purification and spectral characterization of synthetic intermediates.

264. Analytical Chemistry **4 credit hours**

Prerequisite: Chemistry 122

An introduction to the basic principles and methods of analytical chemistry including volumetric, spectrophotometric, electrochemical and chromatographic methods of quantitative and qualitative analysis. Emphasis is placed on statistical methods of data analysis. Computer technology including spreadsheets and graphing programs are used extensively. A significant laboratory component involves development of wet-chemical skills as well as introduction to several instrumental methods.

311. Biochemistry **4 credit hours**

Prerequisite: Chemistry 224

A detailed treatment of the physical chemistry of the major classes of bio-organic compounds (proteins, nucleic acids, lipids, and carbohydrates) and their structural-functional relationships. Biochemical thermodynamics, enzyme kinetics, bio-organic enzyme mechanisms and physical/analytical techniques are discussed. Modern methods of separation, purification, and structure elucidation (ultracentrifugation, HPLC, electrophoresis, x-ray diffraction, 2-d and 3-d NMR, MALDI, UN/fluorescence spectroscopy, computer-based molecular modeling) are considered. The basic bacterial, fungal, plant, and mammalian primary and secondary metabolic pathways and their physiological control points are discussed in detail. Emphasis is placed on mechanistic similarities of these enzyme pathways. Laboratory work involves separation and purification methods for characterizing biochemical molecules, culminating in an in-depth study of a fungal, plant, or animal enzyme and determination of its kinetic profile and/or organic mechanism using modern spectral methods.

337. Internship in Chemistry **9-15 credit hours**

Prerequisite: At least 2.8 GPA in major/related courses, junior or senior standing and division approval

Practical off campus experiences that apply methodologies and techniques of the chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each week of full-time employment.

343. Practicum in Chemistry **2 to 6 credit hours**

Prerequisite: At least 2.8 GPA in major/related courses, junior or senior standing and division approval

Practical experiences, either on or off campus, that apply methodologies and techniques of the chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Topics in Chemistry **1 to 3 credit hours**

Prerequisite: At least 16 hours in chemistry, junior or senior standing, and permission of the instructor

Seminars involving the detailed study of advanced topics in chemistry not encountered in other coursework. Selected subjects are radiochemistry, polymer chemistry, advanced inorganic and advanced organic chemistry.

351-352. Senior Thesis **6 credit hours**

Prerequisite: At least 19 hours in chemistry

Independent research in an area of interest to the student. The project is carried out under supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.

364. Instrumental Methods of Analysis **3 credit hours**

Prerequisite: Chemistry 264

An advanced study of the principles of instrument-based analytical methods including optical and mass spectrometry. Introductory concepts in optics, electronics and computer interfacing are presented. The basic theory of operation, design, maintenance, sample preparation and spectral analysis are discussed for a range of instruments including molecular and atomic absorption, infrared, Raman, fluorescence,

nuclear magnetic resonance and mass spectrometry. Laboratory investigations involve utilization of a variety of instrumental techniques for qualitative and quantitative analysis. Familiarity with the chemical literature, computers skills and oral presentation skills are developed.

381. Physical Chemistry I **3 credit hours**
Prerequisite: Chemistry 122 and Mathematics 225

An advanced study of the physical, chemical and dynamical properties of molecular systems. Chemical thermodynamics and reaction kinetics are central themes. Topics include: Gibbsian and Maxwellian relationships; theoretical characterization of gases; spontaneity and equilibrium; calorimetry; colligative properties; vapor-liquid equilibria; composition diagrams; transport properties; determination of reaction mechanism; the steady-state approximation; transition state theory; partition function; photochemistry; and surface phenomena. Simulation, modeling and advanced graphical software are employed.

391. Physical Chemistry II **3 credit hours**
Prerequisite: Chemistry 381

Continuation of Chemistry 381. Quantum theory and the theoretical basis and symmetry arguments of molecular spectroscopy are central themes. Topics include: rotational, vibrational and electronic spectra, quantum restrictions, physical property determination, symmetry and group theoretical operations, eigenfunctions and operator notation, applications of the Schrodinger wave equation, approximation methods in complex systems, the vector model of the atom, and spectroscopic state designation. Simulation, modeling and advanced graphical software are employed.

399. Research Seminar **1 credit hour**
Prerequisite: Junior standing

Professional activities in the student's chosen field, such as professional ethical standards, electronic literature search strategies, instruction in scientific paper preparation, poster presentation, and delivery of a scientific talk using presentation software, are examined in a seminar setting. Trends and issues within the profession are discussed.

425. Physical Chemistry Laboratory **2 credit hours**
Prerequisite: Chemistry 381

Precision physico-chemical measurement using modern analytical methods and instrumentation. Colligative and molecular properties, thermodynamics and kinetics of chemical systems are investigated using modern spectroscopic methods (FT-IR, Raman, UV/fluorescence spectroscopy, NMR) as well as the classical methods of calorimetry, viscometry, polarimetry, refractometry, densitometry and surface tension determination.

451. Quantum Chemistry **3 credit hours**
Prerequisites: Chemistry 122, Mathematics 225, and Physics 101 or 201

A detailed study of the formalisms of quantum mechanics. The experimental basis of quantum theory is examined along with a detailed description of wave mechanics and its methods. Applications of eigenfunctions and operator notation are examined, and approximate solutions to the Schrodinger wave equation are obtained for several systems, including multi-electron atoms. Other topics include spin-orbit term designation; calculation of physical constants; and characterization of intermolecular forces and chemical bonding in polyatomic molecules.

Child Development and Learning

Students who plan to work with children or enter a graduate program in child development may choose the major in child development. The major consists of 39 or 40 credit hours in psychology and related fields. Major requirements and course descriptions may be found under the listing for Psychology.

Child Development and Learning is also the major pursued by students seeking teacher licensure for elementary grades. Major courses are listed under Psychology, and professional courses are listed under Education.

Communications Studies

Assistant Professor Turner, Coordinator

The **Minor in Communications Studies** consists of 15 credit hours, at least 9 of which must be taken outside the student's major. Required courses are English 217 (Journalism) and Speech 201 (Introduction to Communication Skills). The additional hours are to be selected from the list below. Courses are described under respective departmental listings.

English 215: Creative Writing
English 216: Publications (up to 3 credits)
English 317: Public Relations Writing and Practice
Speech 202: Advanced Public Speaking and Debate
Speech 203: Oral Interpretation of Literature/Readers Theatre
Theatre 204: Theatre Production (up to 3 credits)
Theatre 212: Acting
Art 202: Photography
Art 205: Electronic Media Lab (emphasis in Graphic Design; prerequisite Art 102 [Two-Dimensional Design] or equivalent background).

Computer Science

Professors Dent and Nichols, Associate Professor Pietenpol, Assistant Professors Bay and Warne

The **Major in Computer Science/Mathematics** consists of 51 hours in Computer Science and Mathematics. Courses required in Computer Science are 131, 132, 221, 301, 303, 311, 349 and 351-352. Courses required in Mathematics are 125, 225, 232, 235, 236, 321, and 326. A student may not major in Computer Science/Mathematics and minor in either Computer Science or Mathematics.

The **Major in Computer Science/Business** consists of 53/55 hours. Courses required are Computer Science 131, 132, 221, 311, 313, 349, and 351-352; Mathematics 125, 221 or 222, and 225 or 232; Economics 201 and one economics course at the 300 level (321 is recommended); Business 201, 215, 344, and 401. The courses in business and economics are described under the respective departmental listings. A student may not major in Computer Science/Business and minor in either Computer Science or Business and Organization Management.

The **Minor in Computer Science** consists of 15 credit hours. Computer Science 131, 132, and 221 are required, as well as two 300-level courses.

123. Application Software: Word-processing **1 credit hour**
Concepts of word processing are studied with expertise gained with a leading software package.

124. Application Software: Spreadsheets **1 credit hour**
Prerequisite: Developmental Studies 105 or satisfactory performance on the mathematics placement examination.
Concepts of spreadsheets are studied with expertise gained with a leading software package.

125. Application Software: Database **1 credit hour**
Prerequisite: Developmental Studies 105 or satisfactory performance on the mathematics placement examination.
Concepts of database management are studied with expertise gained in a leading software package.

131. Computer Science I **3 credit hours**
Prerequisite: Developmental Studies 105 or satisfactory performance on the mathematics placement examination.
An introduction to computer science and structured programming with the Pascal language. Emphasis on program design and implementation, debugging, documentation, and programming projects.

132. Computer Science II **3 credit hours**
Prerequisite: Computer Science 131
A continuation of Computer Science I. Topics to include advanced features of Pascal, pointers and linked lists, and programming in the C language. Emphasis on programming projects.

219. Intermediate Programming: FORTRAN **3 credit hours**

Prerequisites: Mathematics 115 or the equivalent and some previous programming experience

Structured programming in the FORTRAN language. Emphasis on program design, coding, debugging, and documentation with applications taken from scientific disciplines.

221. Computer Architecture **3 credit hours**

Prerequisite: Computer Science 131

Introduction to computer organization and architecture. Hardware components, representation of data, digital logic, machine language instructions, and microprogramming.

301. Assembly Language Programming **3 credit hours**

Prerequisite: Computer Science 221

An introduction to assembly language programming on a microcomputer. Extensive practice in programming with assigned projects.

303. Discrete Structures **3 credit hours**

Prerequisites: Computer Science 131, Mathematics 225 and 232

Discrete structures useful in computer science. Topics will include logic and proof, recurrence relations, recursively defined sets, graphs, trees, and an introduction to the theory of formal languages and automata.

311. Data Structures and File Processing **3 credit hours**

Prerequisite: Computer Science 132

An introduction to the concepts and techniques of structuring and manipulating information. Topics include sequential access files, random access files, elementary data structures, linked lists, stacks, sorting, and searching.

313. Database Management Systems **3 credit hours**

Prerequisite: Computer Science 311

A course in the design, function, and application of database management systems

349. Selected Topics in Computer Science **3 credit hours**

Prerequisites: Computer Science 221 and permission of the instructor

Topics selected from such areas as operating systems, artificial intelligence, programming in the COBOL language, and computer graphics, depending on current faculty and student interests.

351-352. Senior Thesis **6 credit hours**

Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

Dance

Ms. Morton

241. Dance **1 credit hour**

Class lessons in ballet, jazz, or tap taught at the Van Metre School of Dance in downtown Maryville. (The student registers through the College and pays the lesson fees to the Van Metre School of Dance.) Two hours of class instruction per week and a minimum of two hours of outside practice per week are required. A maximum of 6 credit hours may be counted toward graduation requirements.

Debate

Intercollegiate debate is available as a credit and a non-credit offering. Students may enroll in two semesters of debate for three credit hours; enrollment in additional semesters is for one credit hour per semester. A maximum of 12 credit hours in debate may be earned. Debate is offered as demand warrants.

Developmental Studies

Developmental Studies courses do not count toward the minimum needed for graduation, and they are not included in calculations of the grade point average. They are listed on the student's official record, and each course may be included as a three credit hour entry in the determination of full-time status.

105. Fundamentals of Math **0 credit hours**

Review of basic algebraic skills, signed numbers, fractions, exponents, linear and quadratic equations, inequalities, absolute value, and scientific notation. Required of all students who lack an entrance credit in algebra or who perform below minimum standards on the mathematics placement examination.

Economics

Associate Professors Brunger and Kasper

The major in economics is appropriate for the student interested in the functioning of the economic system and in economic policy. For most positions in the business world, students who major in economics are competitive with those who major in business. For situations with strong theoretical emphasis, the major in economics provides an important advantage. The economics major also provides a basis for graduate study in management, business, finance, law, and a variety of other fields.

The **Major in Economics** consists of a minimum of 44 hours in economics and related fields. Required courses in economics include 201, 221, 321, 322, 334, 351-352, Sociology 101, 9 hours chosen from Economics 215, 251, 325, 331, 332, 349, and Social Science 301, 6 hours chosen from Math 125, 222, and Business 344, and 3 hours chosen from Political Science 122, 211, 212, and 232.

The **Minor in Economics** consists of 17 hours, including Economics 201, 321 and 322, and six hours chosen from 221, 215, 251, 325, 331, 332, 334, and 349.

A second track in the major, **Economics/History for Teacher Licensure**, leads to licensure in economics with a secondary emphasis in history. The track requires 38 hours. Courses required in economics are 201, 221, 321, 325, 331, 351 and 352; courses required in history are 112, 203, 242, 251, and three hours chosen from 342, 344, and 346. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

201. Principles of Economics **4 credit hours**
Prerequisite: Statistics 120 or Sophomore standing
A survey of economic principles and institutions, emphasizing the study of market economies throughout the world. Topics include the model of supply and demand, the theories of competition and monopoly, the theory of international trade, and the theories of employment, prices and money.

215. Economics of Tourism **3 credit hours**
An overview of the tourism industry. The framework for this course is economics, specifically supply and demand for tourism services, industry structure, issues of environmental sustainability, government regulations, subsidies and taxation. Effects of tourism on East Tennessee society, environment, and economic planning will also be studied.

221. Economic Development and the Environment **3 credit hours**
An inquiry into the problems of economic development and social change in less developed countries. The course focuses on issues of poverty, population, industrialization, agriculture, and trade.

251. Economic History of the United States **3 credit hours**
Survey of American economic development from colonial times to the present. Special emphasis on the economic development of the South, the industrialization of the American economy, the development of banking and the impact of international trade.

321. Macroeconomics **4 credit hours**
Prerequisite: Economics 201
Macroeconomic theory and analysis, including synthesis of classical and Keynesian models of income determination. Monetary theory, inflation, unemployment, and expectations are studied, and current economic issues are examined. A computer laboratory is included.

322. Microeconomics **3 credit hours**
Prerequisite: Economics 201
Microeconomic theory and analysis, including consumer demand, prediction, the firm, and general equilibrium. Applications to problems of private choice and public policy are considered.

325. International Trade and Finance **3 credit hours**
Prerequisite: Economics 201
An examination of the theory of trade, barriers to trade, balance of payments, exchange rates, and the adjustment process. The role of international institutions is considered, including the International Monetary Fund and multinational enterprise.

331. Public Policy Toward Business **3 credit hours**
Prerequisite: Economics 201
An inquiry into the control of monopoly through antitrust law and promotion of the public interest through actions of regulatory commissions. Consumer protection and environmental regulation are also considered.

332. Money and Banking **3 credit hours**
Prerequisite: Junior standing and Economics 201
Study of the nature and function of money, banks, and financial markets; the role of money in the economy, monetary theory and policy; the Federal Reserve System and money supply process; international monetary relationships.

334. History of Economic Thought **3 credit hours**
Prerequisite: Economics 201
An examination of the development of economics emphasizing the emergence of economics as a social science from the late 18th century to the present.

337. Internship in Economics **9-15 credit hours**
Prerequisite: Junior Standing
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum in Economics **2 or 3 credit hours**
Prerequisite: Junior standing and permission of the economics faculty
Supervised experience enabling students to apply classroom knowledge in an organizational setting. Open only to economics majors. Not to be counted toward a major in economics.

349. Selected Topics in Economics **3 credit hours**
Prerequisite: 9 hours in economics or permission of the instructor
Focuses on timely topics in national or international economics not covered in other department courses. Course content varies from year to year. Offered as demand warrants.

351-352. Senior Thesis **6 credit hours**
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

Education

Professor Keith, Director of Teacher Education; Associate Professors Jacob and Simpson

Teacher Education Professional Courses

Teacher education at Maryville College is an interdepartmental function, the responsibility of the College as a whole rather than a single department. The program of preparation combines broad study in the liberal arts, specialized courses in a major field of study, and a professional education component. For students who plan to teach in the elementary grades, Maryville College offers a program designed to prepare students for licensure for grades K- 8. These students complete the major in Child Development and Learning offered through the Division of Behavioral Sciences and Human Services. Those interested in teaching at the secondary level (grades 7-12) complete the appropriate major in the area in which they plan to teach.

The following licensure areas are available: Biology, Chemistry, Economics/History, History, English, History/Economics, History/Political Science, Mathematics, Physics/Mathematics for Teacher Licensure, Political Science/History, and Spanish. Music (vocal or instrumental), Art and Physical Education/Health are available as K-12 licensure programs. Teaching English as a Second Language is available as a pre-kindergarten through twelfth grade licensure program.

Additional professional courses designed to prepare students to meet licensure standards must also be taken. These are listed below.

Secondary Licensure: Physical Education/Health, Recreation 236, Psychology 218 and 334, (Physical Education/Health for licensure students are exempt from Psychology 334.) Education 301, 302, 321, 343 (two credits), 402 (may be combined with Senior Thesis 352), and 401. Art, Music Education, Physical Education/Health and Teaching English as a Second Language majors take two additional hours of practicum credit.

Elementary Licensure: Education 301, 302, 307, 323, 321, 322, 402 (may be combined with Senior Thesis 352), and 401.

Post-Baccalaureate Program for Teacher Licensure: Maryville College offers a Post-Baccalaureate Program for teacher licensure in the following licensure areas: Art, Biology, Chemistry, English, History/Economics or History/Political Science, Math, Music, and Spanish. Post-baccalaureate students must meet the same screening and admission standard as Maryville College baccalaureate students. In addition, post-baccalaureate students must pass the General Knowledge and Communication Skills sections of the Praxis II Core Battery before they are assigned to student teaching. The Registrar, adviser from the academic discipline, and adviser from the Division of Education evaluate academic transcripts to design an appropriate course of study. Student teaching consists of fifteen weeks of full-day responsibilities.

Additional Endorsements: Maryville College offers additional endorsements in the following licensure areas: Biology, Chemistry, Economics, English, History, Mathematics, Government, French, German, and Spanish. Maryville College baccalaureate students may complete an additional endorsement while completing their initial licensure. Each candidate must complete a minor in the endorsement area as part of an individualized educational plan developed by the academic adviser. Requirements for a minor designed for additional endorsement may vary

from those for a traditional minor, a larger number of credit hours may be required, and some additional endorsements may be available only to students majoring in a related area. Specific additional endorsement requirements are available from faculty advisers in the subject areas. Students are required to achieve the minimum passing score(s) on the Praxis specialty test(s) for the endorsement area.

For all teacher licensure programs, careful planning of one's course of study is necessary to ensure that all general education, major, and professional requirements are met in a timely manner. It is particularly important to complete Psychology 101, Introductory Psychology, in the freshman year. Students should meet with the adviser for teacher licensure in their major area as soon as possible.

Admission to Teacher Education is not automatic and occurs only after certain qualifications are met. A minimum cumulative grade point average (GPA) of 2.5 in the major and overall is required in addition to a minimum score on certain standardized tests. The Level I screening process is fully explained at screening meetings held in October and February each year. Requirements include, in addition to the GPA and standardized test requirements, a writing sample from the candidate, satisfactory recommendations from faculty and others, a speech and hearing screening, and an interview with the Screening Committee. Admission to Teacher Education is considered conditional until Level II of the process is completed the semester prior to student teaching. No courses with an Education prefix may be taken unless a student has been accepted into the Teacher Education program through the Level I screening process.

301. Models of Classroom Management and Instruction **3 credit hours**

Prerequisite: Psychology 218

Students will learn about and be able to use a variety of research-based models of instruction. Implications of these models for classroom management and organization will be made explicit. Directed observation of classrooms and planned micro-teaching experiences are an important aspect of this course.

302. Educational Technology **2 credit hours**

Prerequisite: Acceptance into the Teacher Education Program, prior experience with word-processing.

This course is taken in conjunction with Education 301 and is designed to prepare future teachers to integrate instructional technology into the classroom. Emphasis is placed on preparing the student with the necessary competence and the confidence to develop and/or select materials to use with a variety of technology-based instructional tools.

307. Instructional Strategies for Mathematics **2 credit hours**

Prerequisite: Psychology 211

Pre or corequisite: Math 207

This course provides instruction in the design and implementation of elementary mathematics lessons, including the use of manipulatives, computer assisted instruction and calculators. Directed field study and planned micro-teaching experiences are important aspects of this course.

321. Reading and Writing in the Content Classrooms **2 credit hours**

Prerequisites: Psychology 218 and Education 301/302

Instruction and practice in various strategies designed to integrate and reinforce reading and writing for meaning in all subject areas. Emphasis is on using textbooks and other printed material to facilitate reading comprehension and concept development.

322. Instructional Strategies for Science and Social Studies **2 credit hours**

(3 credit hours effective 1999-2000)

Prerequisites: Psychology 211 and Education 301/302

An examination of various theories/approaches to the teaching of science and social studies including unit planning, investigations/inquiry, problem-solving, thematic integration and technology integration Students will explore historical, political, geographical, and economic concepts, and the tools required to translate these concepts into instruction. Emphasis is on selecting and translating content knowledge into developmentally appropriate instructional experiences for children.

323. Reading and Writing K-4 **3 credit hours**

Prerequisites: Psychology 211 and 306, Education 301/302

This course provides students with an understanding of the developmental processes involved in the ability to read and write. Students will be able to use the major approaches designed to teach reading and will be able to assist pupils in developing effective written communication. The use of the computer for instruction and directed field study are included.

343. Practicum in Methods and Materials **2 -4 credit hours**

Prerequisites: Psychology 218 and Education 301/302

This course must be arranged with the Director of Teacher Education the semester prior to beginning the practicum. Field-based, professionally directed experiences which familiarize students with the curriculum and with the instructional knowledge and skills appropriate for use in a selected K-12 program area. This course is designed by Maryville College faculty in conjunction with area field-adjunct faculty.

401. Student Teaching **9 credit hours**

Prerequisite: Acceptance into Level II of Teacher Education

A full-day, supervised teaching experience in at least two classrooms of two different grade levels under the guidance of Maryville College faculty and cooperating classroom teachers. The Professional Seminar on Teaching (Education 402) is taken in conjunction with this course. No other coursework may be taken during student teaching.

402. Professional Seminar on Teaching **3 credit hours**

Prerequisites: Acceptance into Level II of Teacher Education, permission of the Director of Teacher Education when Senior Thesis 352 is integrated into the seminar

This course is offered in conjunction with Student Teaching. It is designed to provide new members of the profession with a sense of identity as teachers, and with the knowledge and skills necessary to encourage their continued professional growth. Emphasis is on self-reflection on practice, the exploration of the multiple contexts of teaching, the analysis of the classroom and school as workplaces, and peer problem-solving. When Senior Thesis 352 is integrated into the seminar, individual field-based or "action" research is completed during the semester under the guidance of faculty supervisors and the student's cooperating teacher. The resulting project will demonstrate the command of the forms and usage of the formal paper.

Engineering

B.A./B.S.: Senior Year in Absentia

Professor Nichols, Coordinator

Maryville College cooperates with several universities in a way that enables a student to combine extensive preparation in the liberal arts with professional training in engineering. This arrangement allows the student to earn two degrees, one from Maryville College and one from the engineering school. The first three years are spent at Maryville, completing Maryville College's general education requirements and the courses necessary for further study in engineering or applied science; the remaining time, normally two years, is spent at an accredited school of engineering.

Maryville College has formal dual-degree arrangements with Vanderbilt University in Nashville, Tennessee, Washington University in St. Louis, Missouri, Tennessee Technological University in Cookville, Tennessee, and Auburn University in Auburn, Alabama. Maryville College will honor the dual-degree arrangement with other major universities if the student is able to make transfer arrangements.

After approximately four years of study, which include 96 semester hours from Maryville College and 32 semester hours (with grades of "C" or better) from the engineering school, the student will receive the B.A. degree from the College. When all requirements for the engineering degree have been met, usually by the end of the fifth year of study, the engineering school will award the Bachelor of Science degree in the area of specialization.

The second degree may be earned in over a dozen engineering fields, as well as in the applied sciences, depending on the university that the student attends.

Maryville students go to the engineering school as transfer students. The College's Dual-Degree program coordinator assists the students in both selecting an engineering school and in the transfer process. The decision to admit rests with the cooperating university, not with Maryville College. Admission to some engineering fields is very competitive, reflecting high demand for places in an entering class.

Any student interested in pursuing the dual-degree option is urged to consult the Dual-Degree

Coordinator in the Division of Mathematics and Computer Science as early in the freshman year as possible. The program is highly structured, and most of the courses are part of a sequence. For that reason, one's course of study must be carefully planned to ensure that all general education and major requirements are met during the three years spent at Maryville. Required courses are Mathematics 125, 225, 232, 235 and 236, Physics 201, 202, and 271 or 301, Chemistry 121 and 122, Computer Science 219, and Senior Thesis 351. See course listings under appropriate departments.

351. Senior Thesis **3 credit hours**

Individual study under the guidance of a faculty supervisor involving the command of the forms and usages of the formal paper.

English

Professors Beck and Schneibel, Associate Professor Overstreet, Assistant Professor Soud, Ms. Clark, Ms. Coning, Ms. Kilgore and Mr. Powell

The majors in Literature in English or in Writing/Communication are recommended for a variety of careers. The skills emphasized in organized thinking, writing, and research prepare the student not only for teaching and for the many branches of editing and publishing but also for other professions such as law, librarianship, and the ministry. These same skills are in demand in business and industry, where leadership positions go to those who can think logically and express themselves clearly.

The **Major in Literature in English** requires a minimum of 48 hours including 39 hours in English and 9 hours in related fields. Required courses are Humanities 201, English 162, 311, 351, and 352. The additional hours in English are to be chosen from 208, 215, 219, 221, 222, 315, 322, 331, 332, 333, 334, 335, 336, 344, 347, and 349. The 3 credit hours in literature taken to fulfill the general education requirement may not be counted toward the major, but the student may count the second 200-level general education course in literature toward the major. Three related courses are required to be chosen from History 111, 112, 203, 211, 313, 314, 315, Religion 344, and Philosophy 201, 203, 204. The minor in Literature in English requires the completion of 15 hours of English, including English 162. Other courses may be chosen from the literature offerings and from English 215 and 219 on the basis of the student's particular interest.

A second track in the major, **English for Teacher Licensure**, requires a minimum of 42 hours, including 36 hours in English and 6 hours in a related field. Required courses are Humanities 201, English 162, 219, 311, and 351-52. Two related courses are to be chosen from History 111, 112, 203 and 211. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Major in Teaching English as a Second Language** is offered as an initial endorsement teacher licensure program for teaching pre-kindergarten through twelfth grade. The major is interdisciplinary. Major requirements are listed under Teaching English as a Second Language in this catalog.

The **Major in Writing/Communication** requires a minimum of 45 hours in English. Required courses include Humanities 201, English 162, 216 (3 credits required), 311, either 337 or 343, and 351-52. Four courses are chosen from English 215, 217, 219, 317, and 325. Students pursuing the internship option take 6 hours in literature courses of their choice; students pursuing the practicum option take 12 hours in literature courses of their choice. The 3 credit hours in literature taken to fulfill the general education requirement may not be counted toward the major. All writing/communication majors are strongly encouraged to minor in an area that will give them a degree of expertise in a field other than English.

The **Minor in Writing/Communication** requires 15 hours in writing, including English 216 (3 credits required) and four courses chosen from English 215, 217, 219, 317, and 325.

162. Interpreting Literature **3 credit hours**
Corequisite: Composition 120

A genre approach with concentration on the forms of the short story, drama and poetry. The course is designed to cultivate skills in analysis and appreciation of works ranging from the classical Greek to the contemporary American and Continental. Through class discussion and oral and written reports the students model processes by which literature is taught and meaning enhanced.

208. Modern Fantasy and Science Fiction **3 credit hours**
Prerequisite: Composition 120

A close analysis of modern fantasy with attention paid to the formal structures of the genre and its roots in the romance tradition. The emphasis is on such writers as J.R.R. Tolkien, C.S. Lewis, Ursula Le Guin, and Isaac Asimov.

212. Children's Literature **3 credit hours**
Prerequisite: Composition 120

An historical and critical overview of children's literature from the 15th century to the present with emphasis on milestone books, authors and illustrators. Attention is given to literary styles, genres, the relationship of art and text, and criteria for judging contemporary literature.

215. Creative Writing **3 credit hours**
Prerequisite: Composition 120

Group discussion and individual conferences on students' writing. The course will focus on the writing of fiction and poetry. Specific assignments that allow development of creative and analytical skills will be given.

216. Publications **1 credit hour**
Prerequisite: Composition 120
Working as a staff member on either the Highland Echo, the Chilhowean, or Impressions. This course can be taken for a maximum of four credit hours, at one credit hour per semester, for service on the Echo or Chilhowean staff. For service on the Impressions staff, one may receive a maximum of two credit hours, at one credit hour per academic year. (This assumes a full nine months service). This course is offered on a S/U basis only.

217. Journalism **3 credit hours**
Prerequisite: Composition 120.
An introduction to writing and editing for the print media, including focus on reporting and writing, as well as on editing, layout and design.

219. Advanced Rhetoric and Grammar **3 credit hours**
Prerequisite: Composition 120.
A course in rhetoric and writing conventions based on a study of grammar and syntax. This course is designed to provide the student with rhetorical options based on an understanding of the function of sentence parts in their relation to one another and to meaning.

221. American Literature: Puritan Through Romantic **3 credit hours**
Prerequisite: Composition 120.
An examination of literary expressions of cultural changes in America from the early Puritans through the Civil War. Special attention is paid to the coming of age of American literature in the mid-nineteenth century, with emphasis on the concept of self, transcendentalism, the frontier, and the meaning of symbol.

222. American Literature: Realism Through Modernism **3 credit hours**
Prerequisite: Composition 120
An examination of the literary expressions of culture in America from Reconstruction through the second World War. Special attention is paid to the relationship between the new spirit of America after the first World War and the resultant formal and thematic adaptations in literature.

311. History of the English Language **3 credit hours**
Prerequisite: Junior standing
The history and development of the English language based on textual analysis of Old, Middle, and Early Modern English.

312. Linguistic Theory and Second Language Acquisition **3 credit hours**
Prerequisite: English 219
Basic principles of linguistics, especially those pertaining to second language acquisition. A survey of the components of language such as syntax, semantics, morphology and phonology, and all major subfields of linguistics such as psycholinguistics and neurolinguistics. Studying relationships among psychological, social and cultural issues that impact second language acquisition.

315. The Drama in English **3 credit hours**
Prerequisite: Junior standing.
A study of the genre from the rebirth of the drama in the medieval period through the early twentieth century. The course emphasizes such major British and American playwrights as Marlowe, Jonson, Sheridan, Congreve, Shaw, O'Neill, Williams, and Beckett.

317. Public Relations Writing and Practice **3 credit hours**
Prerequisite: Junior standing
An introduction to a variety of public relations writing styles including copy for newsletters, brochures, news releases and speeches. Lecture/discussion sessions provide an overview of public relations principles and theory. The course builds toward a public relations campaign as the major final project.

322. Advanced Studies in American Literature **3 credit hours**
Prerequisite: Junior standing
The course examines selected authors, periods and/or genres for thematic, formal, historical, and cultural issues. Course content and focus will vary.

325. Technical and Scientific Writing **3 credit hours**
Prerequisite: Junior standing
The study and practice of formats for technical and scientific writing used in newspapers, magazines, journals, and in government and corporate publications. Practice in information gathering, writing, editing and speaking is emphasized.

331. English Literature of the Middle English Period **3 credit hours**
Prerequisite: Junior standing
The major works of Chaucer read in Middle English, with lectures on the historical and literary backgrounds and on other important works of the Medieval Period, such as Piers Plowman, The Pearl, The Wakefield Cycle, and medieval lyrics.

332. Shakespeare **3 credit hours**
Prerequisite: Junior standing
A study of Shakespeare's plays, with equal emphasis on the comedies, tragedies, and histories as well as attention to the literary and historical backgrounds of the period.

333. English Literature of the 17th Century **3 credit hours**
Prerequisites: English 162 and Literature 270 or 290.
A study of the poetry and prose of the 17th century to Dryden. Emphasis in poetry is on the schools of Donne and Jonson, culminating in a study of the major works of Milton.

334. English Literature of the Restoration and 18th Century **3 credit hours**
Prerequisite: English 162 and Literature 270 or 290
A survey of literature from 1660 to 1790, with emphasis on the writing and influence of Dryden, Swift, Pope, Johnson, and Boswell. The course also deals with the emergence of new trends such as the periodical essay and other literary forms of the period.

335. English Literature of the 19th Century **3 credit hours**
Prerequisite: English 162 and Literature 270 or 290
A study of the poetry and non-fiction prose of the English Romantic and Victorian periods. Writers to be studied include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Carlyle, Arnold, Ruskin, and the Pre-Raphaelites.

336. British and American Literature of the 20th Century **3 credit hours**

Prerequisite: English 162 and Literature 270 or 290

A study of 20th century British and American authors of poetry and short fiction with emphasis on literary Realism-Naturalism and Modernism.

337. Internship **9 credit hours**

Prerequisite: English 217, 317, or 325

Field experience that provides an introduction to careers in writing and communications through work on the writing staff of a newspaper, magazine, publishing house, or related enterprise. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement. This course is offered on a S/U basis only.

343. Practicum **2-6 credit hours**

Prerequisite: Composition 120

On- or off-campus experience that provides an introduction to careers in writing and communications. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour earned. This course is offered on a S/U basis only.

344. Modern Comparative Literature **3 credit hours**

Prerequisite: English 162 and Literature 270 or 290

Modern, post-modern and contemporary works are examined for thematic, formal, historical and cultural perspectives. Particular attention is directed to the interrelations and differences present in the American, British, and European traditions. Selected authors, periods or genres may vary.

347. The Novel in English **3 credit hours**

Prerequisite: Junior standing

A study of the novel from its beginnings in the 18th century to the modern period. While tracing minor streams in fiction such as the epistolary and Gothic, the course concentrates on the major British and American novelists.

349. Selected Topics in Literature **3 credit hours**

Prerequisite: Junior standing

Course content varies from year to year to meet the special interests, abilities, and needs of advanced students.

351-352. Senior Thesis **6 credit hours**

Individual study, with the guidance of a faculty supervisor, on a topic that will provide experience in intensive research and the preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year.

English as Second Language

A major is offered in Teaching English as a Second Language. A description of this teacher licensure program may be found in this catalog under the heading Teaching English as a Second Language. General information on teacher licensure may be found under the Education heading.

The Center for English Language Learning

Mr. Franklin, Director

The Center for English Language Learning offers year-round English courses for non-native speakers wishing to improve their English ability. Students who subsequently enroll in Maryville College may receive credit for course work as shown below. A more complete description of the Center may be obtained by requesting a brochure from the Director.

Courses offered in five-week intensive modules are as follows:

Beginning: levels 1 & 2
Elementary: levels 3 & 4
Low Intermediate: levels 5 & 6
High Intermediate: levels 7 & 8
Low Advanced: levels 9 & 10
High Advanced: levels 11 & 12

Students may earn 1 credit hour for completion of each level above level 3, and one half credit hour for levels 1 and 2, for a maximum of 9 credit hours.

101. Composition for ESL Students **3 credit hours**

A semester-length course for international students who have studied English as a second language but need additional work to reach the college-level proficiency in English writing and rhetoric necessary for writing requirements of regular academic courses. Those who demonstrate mastery of writing skills, through standardized tests and writing samples, may begin with Composition 110 or 120.

Environmental Science

Students planning careers in Environmental Science should major in either biology or chemistry and develop a course selection carefully designed to assist in meeting career goals. A minor in chemistry or biology, as appropriate for the major, is also recommended. Because Environmental Science is an applied field, students are strongly encouraged to include in their programs an internship or practicum at one of the institutions with which Maryville College maintains a research arrangement. Major requirements and course listings may be found under Biology and Chemistry in this catalog. Students are also encouraged to examine the very differently focused major in environmental studies, a field based more in the social sciences and serving a variety of careers related to environmental policy and management.

Environmental Studies

Assistant Professor O'Gorman, Coordinator

The major in Environmental Studies is an interdisciplinary program involving course work in the social and natural sciences. The major provides an excellent background for work in areas such as global, national and local resource management; international and national population control; international banking policy and implementation; public policy roles at all levels in city planning, waste management, and related areas; in health care, journalism, law, advertising and education. Environmentally related careers are available as writers, editors, managers, lawyers, and public relations experts.

The **Major in Environmental Studies** requires a minimum of 51 credit hours. Required courses are Environmental Studies 101, 314, 345, Economics 201, Sociology 101, Political Science 232, Social Science 301, either Chemistry 117 or 121, Biology 311, Math 221 or 222 and Environmental Studies 343 (a minimum of 3 credit hours), 351 and 352. In addition, each student must complee at least 9 hours chosen from among Biology 222, Business 201, Economics 221 and 331, English 325, Political Science 212 and 321, Sociology 202, 211, and 222, Social Science 303, and Environmental Studies 349. While only three practicum hours are required, students majoring in environmental studies are encouraged to consider the various internship options in the field.

Environmental studies students minoring in economics, political science and sociology cannot fulfill their minor course requirements with courses serving as major electives in the environmental studies major.

101. Introduction to Environmental Issues 3 credit hours

An introduction to the origins and interrelationships of major contemporary environmental issues such as overpopulation, global warming, ozone depletion, deforestation, and water pollution. The course examines the complexity of the issues in environmental, political, social, and economic terms.

314. Population and Human Ecology 3 credit hours

Prerequisite: Sociology 101 or 211 and junior standing

A study of the interrelationships between human population, organization, technology, and the environment. The environment includes both the natural environment, living and nonliving, and human-created environments, such as urban communities. The perspectives of demography human ecology, and environmental sociology are the analytical tools. Input problems such as availability of energy, food, and depletion of other resources, and output problems such as air, water, and land pollution, waste disposal, and overpopulation are examined.

337. Internship in Environmental Studies 9-15 credit hours

Prerequisite: Junior Standing

Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time employment.

343. Practicum in Environmental Studies 3-6 credit hours

Prerequisite: Junior standing and permission of environmental studies faculty.

Practical experience enabling students to apply classroom knowledge in work settings. One credit hour is associated with each three hours of work every week for a 14-week semester.

345. Environmental Politics and Public Administration 3 credit hours

Prerequisite: Junior Standing

This course will examine the history, actors and issues in world and American environmental policy making. Comparison of theories of environmentalism (conservation, sustainable development, deep ecology). Investigation of structure and actors making environmental policy. Survey of current global/eco-systemic issues in environmental policy (air, sea/water, energy and waste, land). Special emphasis on Tennessee and East Tennessee issues, such as radioactive waste, acid rain in the Smokies and Appalachians, and Tellico Dam.

349. Special Topics in Environmental Studies 3 credit hours

Prerequisite: Six hours in Environmental Studies Focus on issues in environmental studies. Course content varies. Offered as demand warrants.

351-352. Senior Thesis 6 credit hours

Individual study under the guidance of a faculty supervisor, involving command of the form and usages of the formal paper.

Foreign Languages

Instruction is available in seven foreign languages; a major is offered in Spanish, and minors are offered in French, German, and Spanish. Course descriptions can be found under listings for French, German, Greek, Japanese, Latin, Spanish and Sign Language Interpreting. Hebrew is an occasional special offering.

The study of foreign languages offers an introduction to new cultural patterns along with the acquisition of specific skills that are increasingly useful in a closely interrelated world. Business majors who are proficient in a foreign language will find broader opportunities in their field, and political science majors interested in international law would do well to study several languages. All students planning to attend graduate school should prepare themselves with at least one additional language.

French

Assistant Professor Lanois

The **Minor in French** consists of 15 credit hours above the 100-level, including French 201-202, 343 and six semester hours earned in the summer exchange program at the Centre International d'Etudes Francaises de l'Universite Catholique de l'Ouest (CIDEF) in Angers, France. French 201-202, or the equivalent, is a prerequisite for students who intend to complete their French minor by studying at CIDEF.

110. Elementary French I **4 credit hours**

An introduction to French designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs when they travel to a French-speaking country. Emphasis is also given to conversing in basic French within well-defined contexts, to reading short passages and to writing simple sentences in French. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

120. Elementary French II **4 credit hours**

Prerequisite: Placement into the course or French 110

A sequel to French 110, designed to increase knowledge of the basic language, culture, and geography of the Francophone world. Emphasis is also given to increasing students' capacity to converse, read, and write in French. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

201. Intermediate French I **3 credit hours**

Prerequisite: Placement into the course or French 120

A review and expansion of the grammar, culture, and vocabulary studied in elementary French. Linguistic tasks studied include describing, narrating, and giving opinions and information on a variety of topics. Emphasis is also given to strengthening reading and writing skills through a study of authentic Francophone texts, which may be drawn from the following media: film, newspapers, popular music, magazines, television, and literary prose and verse.

202. Intermediate French II **3 credit hours**

Prerequisite: Placement into the course or French 201

A sequel to French 201, designed to increase students' facility to speak and write sentences of greater structural sophistication that are logically connected in paragraph-length discourse. Increased emphasis is placed on communicating in past, future and hypothetical situations. Study of authentic Francophone texts from various media is continued.

343. Practicum **3 credit hours**

Prerequisite: French 202 or the equivalent

On- or off-campus experience that provides a linguistic and cultural opportunity for students who wish to acquire practical knowledge of French beyond the intermediate level. Offered on a S/U basis only.

German

Professor Schneibel, Dr. Gorla

The **Minor in German** consists of at least 15 hours in German, including 12 hours in courses above the 100-level. Credits beyond German 201-202 must be earned though a semester abroad in conjunction with Alma College's program at the Europoa-Kolleg in Kassel, Germany.

110. Elementary German I **4 credit hours**

An introduction to German designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs when they travel to a German-speaking country. Emphasis is also given to conversing in basic German within well-defined contexts, to reading short passages and to writing simple sentences in German. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

120. Elementary German II **4 credit hours**

Prerequisite: Placement into the course or German 110

A sequel to German 110, designed to increase knowledge of the basic language, culture, and geography of the Germanic world. Emphasis is also given to increasing students' capacity to converse, read, and write in German. Cultural concepts, grammatical structures, and vocabulary introduce in class are reinforced in small-group language practice sessions.

201. Intermediate German I **3 credit hours**

Prerequisite: Placement into the course or German 120

A review and expansion of the grammar, culture, and vocabulary studied in elementary German. Linguistic tasks studied include describing, narrating, and giving opinions and information on a variety of topics. Emphasis is also given to strengthening reading and writing skills through a study of authentic Germanic texts, which may be drawn from the following media: film, newspapers, popular music, magazines, television, and literary prose and verse.

202. Intermediate German II **3 credit hours**

Prerequisite: Placement into the course or German 201

A sequel to German 201, designed to increase students' facility to speak and write sentences of greater structural sophistication that are logically connected in paragraph-length discourse. Increased emphasis is placed on communicating in past, future, and hypothetical situations. Study of authentic Germanic texts from various media is continued.

Greek

Professor Emeritus Cartlidge

110-120. Elementary Hellenistic and Koine Greek I and I **110: 4 credit hours**
120: 4 credit hours

Designed to prepare the student to read the literature of the early church and its environment. The basic texts are the New Testament, early church literature, and other literature of the Greco-Roman world.

201. Intermediate Hellenistic Greek **3 credit hours**

Prerequisite: Greek 120 or the equivalent

Interpretive reading of the literature of the early church, pagan, and Jewish authors. Offered as demand warrants.

Health Care/Nursing

B.A./M.S.N.: Maryville College and Vanderbilt University, Senior Year in Absentia
Associate Professor Craig, Coordinator

The program of study leading to the Bachelor of Arts in Health Care from Maryville College and the Master of Science in Nursing from Vanderbilt University consists of six semesters (three academic years) at Maryville followed by six semesters (two academic years and two summers) at Vanderbilt. All general education and major-related courses and a total of 96 credit hours must be completed by the end of the junior year at Maryville. During the junior year, the student makes application to Vanderbilt; admission is determined entirely by Vanderbilt University. Following the fourth year and after the completion of 128 credit hours, the student receives the B.A. in Health Care from Maryville College; the M.S.N. is then completed at Vanderbilt.

Major-related Requirements:
Psychology 101: Introductory Psychology
Psychology 211: Child Development
Sociology 101: Introductory Sociology
Sociology 211: Cultural Anthropology
Chemistry 121/122: Principles of Chemistry I and II
Biology 217/218: Anatomy and Physiology I and II
Physical Education 101: Human Health and Development
Physical Education 219: Principles of Human Nutrition
Biology 355: Microbiology or equivalent
Mathematics 221: Inferential Statistics

A total of 96 credit hours must be completed at Maryville College. Recommended electives include courses in economics, business, psychology, sociology and physical education/health.

History

Assistant Professors Berry, Klingensmith and Livingstone, Dr. van Aalst, Ms. Meyer

History is a discipline concerned with the diversity of humankind and with social and cultural change over time. The study of the past offers liberation from confined thinking that cannot see beyond the present, and it helps the student achieve the deeper perspective essential to personal and intellectual growth. The major in history serves as preparation for a host of occupations, including law, journalism, communications, the ministry, environmental studies, teaching, business, library information, or public service.

The **Major in History** consists of 45 hours, including 36 in history and 9 in related fields. Courses required are History 162, 351, and 352, and Humanities 201. Fifteen hours are selected from History 111, 112, 203, 209, 211, 221, 242, and 251. Nine hours are selected from History 313, 314, 315, 331, and 349. Three hours are required from History 342, 344, or 346. Six hours in related courses are selected from Art 211, 212, 311; Economics 334; English 221, 222, 311, 333, 334, 335; Music 312; Philosophy 201, 203, 204; Religion 348; Theatre 314. Students anticipating graduate study in history are strongly advised to acquire intermediate-level proficiency in a second language.

The **Minor in History** consists of 15 hours, including History 162 and Humanities 201, along with three other courses.

A second track in the major, **History/Political Science for Teacher Licensure**, requires a minimum of 51 hours, including 33 semester hours in history, 15 hours in political science, and Humanities 201. Required history courses are History 111, 112, 162, 203, 242, 351, and 352. Three semester hours are required from History 342, 344, or 346. Three hours are selected from History 209, 211, 221, or 251. Six hours are selected from History 313, 314, 315, 331, and 349. Required political science courses are Political Science 122, 211, 212, 321, and 322.

A third track in the major, **History/Economics for Teacher Licensure**, requires a minimum of 53 hours, including 33 semester hours in history, 17 hours in economics, and Humanities 201. Required history courses are History 111, 112, 162, 203, 242, 351, and 352. Three semester hours are required from History 342, 344, or 346. Three hours are selected from History 209, 211, or 221. Six hours are selected from History 313, 314, 315, 331, and 349. Required economics courses are Economics 201, 221, 251, 321, and 331.

A fourth track in the major, **History for Teacher Licensure**, requires a minimum of 36 hours including 33 semester hours in history and Humanities 201. Required history courses are History 111, 112, 162, 203, 242, 351, and 352. Three semester hours are required from History 342, 344, or 346. Three hours are selected from History 209, 211, 221, or 251. Six hours are selected from History 313, 314, 315, 331, and 349.

For all Teacher Licensure tracks, additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing licensure tracks must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

111. Colonial and Revolutionary America **3 credit hours**

Examination of precontact native American people, culture, and society as well as the effect of European invasions; the European background to settlement in the New World; societies in the North, South, and Southwest; the quest for independence from Great Britain; and confederation and constitution.

112. History of the United States in the 19th Century **3 credit hours**

Examination of the Early National Period; economic, political and cultural changes in the Jacksonian era; slavery; abolition; sectionalism and Civil War; Reconstruction; and the beginnings of industrialism and imperialism.

162. Introduction to the Study of History **3 credit hours**

Reserved for Freshmen and Sophomores; others need permission of instructor.

Through the examination of the analysis of primary materials, historiographical approaches, and various theories and methodologies, students will gain an understanding of how historians have retrieved and reconstructed the past. Topics change from year to year.

203. History of the United States in the Twentieth Century **3 credit hours**

Examination of political economy, Progressivism, World Wars, the Great Depression, the nuclear age, 1960s reforms, Vietnam, and the age of limits.

209. Ancient History **3 credit hours**

In alternate offerings the course considers Greece or Rome. When Greece is the subject, the focus is on the fifth century (B.C.E.). When Roman history is taught, the creation of the Roman Empire, its eventual decline, and the end of antiquity are examined. Special emphasis is placed upon the evolution of political, social, institutional, and cultural aspects.

211. History of England to 1640 **3 credit hours**

Development of the British Isles from the Anglo-Saxon invasions to the outbreak of civil war in the seventeenth century. Special emphasis is placed upon emerging social, economic, and cultural patterns and constitutional developments.

221. Twentieth-Century European World **3 credit hours**

Traces the culmination and decline of Europe's world preeminence. Deals with issues such as the causes and impacts of two World Wars, the changing shape of the world economy, ideological and cultural shifts, and major social trends through the 1970s.

242. World Civilization from Earliest Times to 1500 C.E. **3 credit hours**

An introduction to the history of human communities, including the stone age, the major civilizations of the ancient and classical worlds, pre modern developments, the role of "barbarians" in history, and the exchange of goods and ideas among different societies. Emphasis will be placed on geography, natural resources, the environment and on the non-western world. Short papers which call for the interpretation of historical evidence will be assigned.

251. Economic History of the United States **3 credit hours**

Prerequisite: Sophomore standing

Survey of American economic development from colonial times to the present. Special emphasis on the economic development of the South, the industrialization of the American economy, the development of banking, and the impact of international trade.

313. Europe in the Middle Ages **3 credit hours**

Prerequisite: Junior standing

Development of the medieval world from the end of the Roman world to the crisis of the fourteenth century. Topics include the search for community, attempts at socio-economic stability through the auspices of feudal institutions, the Church and emerging nation-states, and cultural and intellectual achievements of the period.

314. Renaissance and Reformation **3 credit hours**

Prerequisite: Junior standing

The breakdown of the medieval synthesis from the fourteenth to the seventeenth centuries. Topics include religious schism and reformation; nation state-making and new political theory; humanism and its consequences in the arts, education and society; and economic and political expansion of Europe.

315. Nineteenth-Century Europe: 1789-1900 **3 credit hours**

Prerequisite: Junior standing

The French Revolution, the Industrial Revolution, and their heritages-nationalism, liberalism, democracy, socialism. Challenges to religious, intellectual, scientific and artistic foundations are also examined.

331. Themes in the American Experience **3 credit hours**
Prerequisite: Two courses from History 111, 112, and 203
An in-depth examination of a particular theme in U.S. history, with subject matter changing regularly to suit the interests of students and faculty. Possible topics include: History of African Americans, History of American Women, Native American History, and American Thought and Culture. May be taken twice.

337. Internship in History **9 - 15 credit hours**
Practical off-campus experience in a field setting. One credit hour is associated with each week of full-time employment.

342. History of Southern Africa **3 credit hours**
Prerequisite: Junior standing
Beginning with the sixteenth century, the course includes the history of indigenous peoples, colonial subjugation, independence movements, mineral discovery, industrialization, migration, and the emergence of apartheid. The course will also explore how the modern South African state destabilized the southern tip of the continent and how a democratic South Africa reversed this trend.

343. Practicum in History **2-6 credit hours**
An on- or off-campus experience that provides an introduction to careers and other opportunities for the history major. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour given. Offered on a S/U basis only.

344. History of Modern China **3 credit hours**
Prerequisite: Junior standing
An examination of developments in China since 1800. The transformation of traditional society, the impact of western influence, and the development of nationalism from its inception to the establishment of the People's Republic in 1949.

346. History of Modern Russia **3 credit hours**
Prerequisite: Junior standing
Traces the growth of the Russian state, the role of the Great Russians and other peoples of the empire, beginning with Muscovite expansion, the Romanov empire, the background (social, political, intellectual) of the 1917 revolutions, and the emerging Soviet society and its role in the twentieth century.

349. Topics in History **3 credit hours**
Prerequisite: Junior standing
A course with subject matter that may change from year to year, depending on the particular interests of faculty and students.

351-352. Senior Thesis **6 credit hours**
Individual study with the guidance of a faculty supervisor involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Humanities

201. Perspectives in the Humanities **3 credit hours**
Corequisite: Composition 120
An interdisciplinary course required for all majors in the Humanities. Students are introduced to important ideological and theoretical concepts that have shaped scholarship in the Humanities. Focus will be on major movements rather than on specific methodologies and will emphasize the ideas that underlie interpretation of texts in multiple areas of the Humanities.

Human Services

Associate Professor Ambler, Coordinator

Human services is a practically-oriented field preparing students for graduate study or for entry-level positions in a wide variety of helping agencies. The major is interdisciplinary, broadly based in the social sciences, and designed to develop the values, knowledge, and skills necessary to work with people in a variety of human service settings.

The **Major in Human Services** consists of 47 credit hours to include Sociology 101, 202, 215, and 305, Psychology 101, 331, 333, and one additional course in psychology. Also required are Human Services 199, 343, 345, and 351-352. Required related courses are Business 201, Math 221, and Social Science 301.

The major in Human Services is one of two majors available to students studying only in evening classes. Students majoring in human services cannot minor in sociology or psychology.

Course listings for other courses may be found under the various departmental listings in this catalog.

199. Introduction to Human Services **2 credit hours**

Examines human services agencies and their effort to meet human needs and ameliorate social problems. Explores values, roles, professions, and community resources used in developing helping relationships.

337. Internship in Human Services **9 - 15 credit hours**

Prerequisite: Junior standing and permission of human services faculty.

Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum in Human Services **3 credit hours**

Prerequisites: Junior standing and permission of human services faculty.

Practical experience enabling students to apply classroom knowledge in work settings. One credit hour is associated with each three hours of work every week for a 14-week semester.

345. Human Services Methods **3 credit hours**

Prerequisite: HMS 199 or permission of the Coordinator
Recommended corequisite: HMS 343

Develops skills and theory used in human services delivery. Skills include casework, interviewing, community organizing, and operation of agencies. Theories include family systems, crisis intervention, and others. Both skills and theory will be related to practicum experiences.

351-352. Senior Thesis **6 credit hours**

Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

International Business

Associate Professor Brunger, Coordinator

The International Business major combines work in several related disciplines with language study and a period of time overseas. The **Major in International Business** consists of 45 credit hours divided into two sequences of courses. All students take the first sequence which includes the following courses: Political Science 212, Sociology 211, Social Science 303, Economics 201, International Studies 351-352, and one course chosen from Religion 212, History 221, or English 344.

All students must also complete two years of a foreign language (one year, two courses, beyond the 100-level general education requirement) or demonstrate sufficient foreign language proficiency. The second sequence of required courses includes Business 201, 215, 329, 401, Economics 325, and either Business 342 or 344, or appropriate courses offered at an approved overseas institution.

Each student will undertake a period of study of at least six weeks at one of the following: Kansai University in Japan, HanNam University, HanYang University, or Yonsei University in Korea, the Northeast Wales Institute at Wrexham, Inter-American University in Puerto Rico, Iberoamerican University in Mexico, The University of the Andes in Venezuela, institutions with which Maryville College has student exchange agreements, or another approved college. When English is a second language for the student, he/she is exempt from the foreign language and foreign study requirements. Courses taken during foreign study can substitute for major requirements with the permission of the international studies coordinator.

Students majoring in international business should plan carefully to allow for the required period of study abroad. Study abroad requires careful scheduling of on-campus coursework and anticipation of the likely additional costs related to travel. Study at foreign institutions is described under Study Abroad in this catalog.

Students majoring in International Business may not minor in Business and Organizational Management.

Course descriptions for international business courses may be found under the various departmental listings in this catalog.

337. Internship in International Studies 9-15 credit hours

Prerequisite: Junior Standing

Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum in International Studies 2 or 3 credit hours

Prerequisite: Junior standing and permission of international business faculty.

Supervised experience enabling students to apply classroom knowledge in an organizational setting. Open only to international studies majors. Not to be counted toward a major in international studies.

351-352. Senior Thesis **6 credit hours**

Individual study under the guidance of a faculty supervisor involving command of the forms and usages of the formal paper.

International Studies

Professor Kim, Coordinator

The International Studies major combines work in several disciplines with language study and a period of time overseas. The **Major in International Studies** consists of 45 credit hours divided into two sequences of courses. All students take the first sequence which includes the following courses: Political Sciences 212, Sociology 211, Social Science 303, Economics 201, International Studies 351-352, and one course chosen from Religion 212, History 221, or English 334. All students must also complete two years of a foreign language (one year beyond the general education requirement) or demonstrate sufficient foreign language proficiency. The second sequence of required courses includes Sociology 101, Economics 221, Political Science 211; six credit hours chosen from History 344 or 346, Spanish 349, Music 311, Art 212, Religion 348, or appropriate humanities or fine arts courses offered at an approved overseas institution; three credit hours chosen from Political Science 311 or 312, Economics 325, Sociology 325, or an appropriate social science course offered at an approved overseas institution.

Each student will undertake a period of study of at least six weeks at one of the following: Kansai University in Japan, HanNam University, HanYang University, or Yonsei University in Korea, the Northeast Wales Institute at Wrexham, Inter-American University in Puerto Rico, Iberoamerican University in Mexico, The University of the Andes in Venezuela, institutions with which Maryville College has student exchange agreements, or another approved college. When English is a second language for the student, he/she is exempt from the foreign language and foreign study requirements. Courses taken during foreign study can substitute for major requirements with the permission of the international studies coordinator.

Students majoring in international studies should plan carefully to allow for the required period of study abroad. Study abroad requires careful scheduling of on-campus course work and anticipation of the likely additional costs related to travel. Study at foreign institutions is described under Study Abroad in this catalog.

The **Minor in International Studies** consists of 15 credit hours including Political Science 212, Sociology 211, Social Science 303, Economics 201, and one humanities course selected from Religion 212, History 221 or English 344.

Course descriptions for international studies courses may be found under the various departmental listings in this catalog.

337. Internship in International Business 9-15 credit hours
Prerequisite: Junior Standing
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum in International Business 2 or 3 credit hours
Prerequisite: Junior standing and permission of international business faculty.
Supervised experience enabling students to apply classroom knowledge in an organizational setting. Open only to international studies majors. Not to be counted toward a major in international studies.

351-352. Senior Thesis 6 credit hours
Individual study under the guidance of a faculty supervisor involving command of the forms and usages of the formal paper.

Japanese

Ms. Franklin

110-120. Elementary Japanese I & II 110: 4 credit hours
120: 4 credit hours
Introduction to basic conversation patterns of contemporary Japanese, emphasizing vocabulary and grammar. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions. The second course introduces hiragana and katakana syllabaries.

201-202. Intermediate Japanese I & II 201: 3 credit hours
202: 3 credit hours
Prerequisite: Placement into the course or Japanese 120
A continuation of Japanese 110-120, with the introductions of 100 Kanji (Chinese characters) in 201 and an additional 100 Kanji in 202. Offered as demand warrants.

Latin

Associate Professor Perez-Reilly

110. Elementary Latin I **4 credit hours**

An introduction to Latin, including declensions, conjugations, use of pronouns, and noun-adjective agreement. Emphasis on a working vocabulary, an understanding of inflection, and basic techniques of translation.

120. Elementary Latin II **4 credit hours**

Prerequisite: Placement into the course or Latin 110

A sequel to Latin 110, designed to increase facility in reading and translating skills. Grammatical constructions dealing with the past and future tenses, the use of participles, passive voice, and compound sentences. Simple translations from original Latin sources.

Manangement

The College offers a broadly based major and a minor in business and organization management. Course listings appear under the Business heading in this catalog.

Mathematics

Professors Dent and Nichols, Associate Professor Pietenpol, Assistant Professors Bay and Warne, Ms. Ribble, Ms. Inscho

The **Major in Mathematics** consists of 53 hours in mathematics and related fields. Required courses in mathematics are 125, 225, 232, 235, 236, 302, 315, 321, 326, 351, 352, and one course selected from 312, 322, or 349. Related courses are Physics 201 and 202 and Computer Science 131 and 132. Any student who expects to attend graduate school is advised to acquire intermediate-level proficiency in French or German.

A second track in the major, **Mathematics for Teacher Licensure**, consists of 38 credits in mathematics: 125, 225, 232, 235, 301, 302, 315, 321, 326, 351, 352, and one course selected from 236, 312, 322, or 349. Related courses are Physics 201 and 202 and Computer Science 131. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. These courses are listed under Education in this catalog.

A Major in **Physics/Mathematics for Teacher Licensure** is listed under physics in this catalog. The **Minor in Mathematics** requires 125, 225, 232 and two other courses numbered above 225.

The **Minor in Statistics** consists of 16 semester hours, including Mathematics 125, 221, 222, 321, and 322 or 343 (3 hours).

115. Precalculus Mathematics **4 credit hours**

Prerequisite: Satisfactory performance on the mathematics placement examination or Developmental Studies 105

Fundamentals of college algebra and trigonometry. Functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and complex numbers.

125. Calculus I **4 credit hours**

Prerequisite: Mathematics 115 or the equivalent

An introduction to calculus using computer technology. Topics covered include functions, the derivative and its applications, and the definite integral. All topics are presented geometrically, numerically, and algebraically.

207. Structure of the Real Number System **3 credit hours**

Prerequisite: Statistics 120

A study of the structure of the real number system, algebra, and geometry. Material designed to meet the needs of students preparing to be elementary teachers.

221. Inferential Statistics **3 credit hours**

Prerequisite: Statistics 120

Interval estimation, hypothesis testing, analysis of variance, basic experimental design, nonparametric statistics, and chi-square tests.

222. Regression Analysis **3 credit hours**

Prerequisite: Statistics 120

Topics covered include linear regression, multiple regression, nonlinear regression, and regression diagnostics.

225. Calculus II **4 credit hours**

Prerequisite: Mathematics 125

A continuation of Mathematics 125. Topics include the definite integral and its applications, ordinary differential equations, and approximations using Taylor and Fourier series.

232. Linear Algebra **3 credit hours**

Prerequisite: Mathematics 125

Linear equations, vector spaces, linear transformations, determinants, matrices, and applications.

235. Calculus III **4 credit hours**
Prerequisite: Mathematics 225
A course in multivariable calculus using computer technology. Topics include functions of several variables, vectors, partial differentiation, multiple integration, parametric equations, vector fields, and line integrals.

236. Ordinary Differential Equations **3 credit hours**
Prerequisite: Mathematics 225
Equations of order one, linear differential equations, undetermined coefficients, variation of parameters, differential operators, and applications.

301. Principles of Geometry **2 credit hours**
Prerequisite: Mathematics 232
Topics from Euclidean and Non-Euclidean Geometry both from the synthetic and the analytical points of view. This course is designed specifically for secondary teachers of mathematics.

302. Modern Algebra **3 credit hours**
Prerequisite: Mathematics 232
Introduction to abstract algebra. Topics covered include groups, rings, integral domains, and fields.

312. Advanced Linear Algebra **3 credit hours**
Prerequisite: Mathematics 302 or permission of instructor
A theoretical study of linear equations, linear spaces, linear mappings, matrices, determinants, and equivalence relations on matrices. Emphasis is placed on a canonical form for similarity of matrices.

315. Advanced Calculus **3 credit hours**
Prerequisite: Mathematics 235
Theory of limits, continuity, differentiation, integration, sequences, and series.

321. Probability and Statistics I **3 credit hours**
Prerequisites: Statistics 120 and Mathematics 225
Introduction to probability, discrete and continuous probability distributions and their properties, distributions of functions of random variables, random samples and sampling distributions, and point and interval estimation.

322. Probability and Statistics II **3 credit hours**
Prerequisites: Mathematics 321 and permission of instructor
Point and interval estimators and their properties, method of moments, maximum likelihood, tests of hypotheses, elements of general linear model theory, quality control, and nonparametric statistics.

326. Numerical Analysis **3 credit hours**
Prerequisite: Mathematics 225
An introduction to the techniques of obtaining numerical solutions on a computer. Topics covered will include roots of equations, numerical integration, least squares, simultaneous equations, and curve fitting.

337. Internship in Mathematics **9-15 credit hours**
Practical off-campus experience in a field setting. One credit hour is associated with each week of full-time employment.

343. Practicum in Mathematics **2 or 3 credit hours**
Prerequisite: Junior standing
Practical experience enabling students to apply classroom knowledge in an organizational setting. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Selected Topics in Mathematics **3 credit hours**
Prerequisites: Junior standing and permission of instructor
Topics selected from such areas as Functions of a Complex Variable, History of Mathematics, Number Theory, or Partial Differential Equations, depending on current faculty and student interest.

351-352. Senior Thesis **6 credit hours**
Individual study with the guidance of a faculty supervisor involving command of the forms and usages of the formal paper.

Medieval Studies

Associate Professor Overstreet, Coordinator

A multi-disciplinary minor in medieval studies is offered. The program emphasizes major currents of thought in the West from the collapse of the Roman Empire to approximately 1500. **The Minor in Medieval Studies** requires a minimum of 15 hours, with courses chosen from Art 211, English 331, History 211 and 313, Latin 110 and 120, Music 313, Philosophy 201, and an appropriate section of Religion 346. The courses are described under the separate departmental listings.

Art 211: Ancient and Medieval Art
English 331: Literature of the Middle English Period
History 211: History of England to 1640
History 313: Europe in the Middle Ages
Latin 110-120: Elementary Latin I and II
Music 313: History of Western Fine Arts Music to 1750.
Philosophy 201: Ancient and Medieval Philosophy
Religion 346: Explorations in Christian Thought and Culture

Music

Professors Bonham and D.Taddie, Associate Professor Smithee, Assistant Professor Matascik, Ms. A. Taddie, Ms. Adamcik, Mr. Burell, Mr. Combs, Ms. Fennell, Mr. Johnson, Ms. McCall, Mr. Nagge, Mr. Robinson, Mr. Rosevear, and Mr. Snyder

Auditions and Admission to Music Curricula

All students intending to pursue a major or minor in music, participate in an ensemble, or study applied music must complete the Music Placement Hearings during Fall Orientation prior to beginning study. Each student will then be counselled into the appropriate courses. All music majors must demonstrate proficiency in basic keyboard skills. Those who lack this preparation upon entering must take Keyboard Fundamentals every term until the proficiency test is passed.

Admission to a particular curriculum as a music major is conferred by the music faculty after the completion of Music 102 or, in the case of students with advanced standing, after one semester of study at Maryville College. Contact the Chair of the Division of Fine Arts for details.

French or German is recommended as the foreign language choice for singers and students planning graduate work in music.

The Bachelor of Arts Degree

The **Major in Music** for those pursuing the Bachelor of Arts degree requires a minimum of 46 hours including Music 101-102, 111-112, 201-202, 211-212, 311-314, 351-352, 8 hours of applied music, and 4 hours of ensemble participation. Keyboard proficiency must be demonstrated. At least 66 hours must be earned in general studies.

The **Minor in Music** consists of 18 credit hours in music, including 101-102, 111-112, 6 credit hours at the 300 or 400 level, and 4 credit hours in courses, lessons, and/or ensembles.

The Bachelor of Music Degree

The Bachelor of Music is a professional degree, intended for students who plan to pursue a career in some aspect of music. It differs from the Bachelor of Arts degree in its general education core requirements (see General Education in this catalog) and the extent of specialization. As a professional degree, it affords more extensive study in the major field.

The College offers major programs in performance and music education. Both include preparation in theory, aural skills, and music history. Private applied lessons are a part of each major, as is sustained participation in a musical ensemble. Beyond these common elements, students take specialized courses appropriate to each major.

Music Education

The **Major in Music Education for Teacher Licensure in Vocal/General Music** consists of 61 credits in music including Music 101-102, 111-112, 201-202, 211-212, 311-314, 322, 323, 351-352, 14 hours of applied music (voice or voice and piano) and 8 hours of ensemble (at least 6 in choir). A senior recital is required. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 31 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Major in Music Education for Teacher Licensure in Instrumental Music** consists of 62 credits in music including Music 101-102, 111-112, 201-202, 211-212, 311-314, 322, 323, 324 (4 credits total), 351-352, 11 hours of applied music (major instrument), and 8 hours of ensemble (at least 6 in instrumental ensembles). A senior recital is required. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 31 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

Performance

The **Major in Piano or Vocal Performance** consists of a total of 78 credit hours including Music 101-102, 111-112, 201-202, 211-212, 308, 311-314, 322, 323, 351-352, 401-402, 24 hours of applied music in the principal area, 8 hours of ensemble, and 4 hours of music electives (courses, lessons, ensembles, or a combination). Students pursuing this degree must qualify for the honors in applied music program and present a half recital in the junior year and a full recital in the senior year.

101. Music Theory I **3 credit hours**
Corequisite: Music 111
Basic elements of music, including notation, the overtone series, rhythm, intervals, transposition, scales, keys, modes, triads, and beginning melodic analysis. Students will write a short composition for solo voice or instrument. Computer-assisted instruction supplements course materials.

102. Music Theory II **3 credit hours**
Prerequisite: Music 101
Corequisite: Music 112
Introduction to harmonic function and analysis through study of harmonic progression, cadences, and non-chord tones. Voice leading principles in four-part chorale texture, including both analysis and composition. Study of binary and ternary forms and modulation to closely related keys. Students will write a composition for four voices or instruments. Computer-assisted instruction supplements course materials.

111. Aural Skills I **1 credit hour**
Corequisite: Music 101
Introduction to sight-singing and dictation, including intervals, scales, scale patterns, melodies, and triads. Methods of syllabication include solfege, numbers, and pitch names. Introduction to the major conducting patterns, to be used while singing. Major mode sight-singing and dictation in treble and bass clefs. Solo rhythmic improvisation as well as vocal and instrumental melodic improvisation. Composition of rhythms and melodies to be used for in-class singing and dictation practice. One hour in-class instruction and one hour computer-assisted lab instruction per week.

112. Aural Skills II **1 credit hour**
Prerequisite: Music 111
Corequisite: Music 102
Diatonic sight-singing and dictation in treble, bass, and alto clefs in both major and minor modes. Expanded melodic dictations and continuation of interval dictation and singing. Beginning harmonic dictation, including functional hearing as well as diatonic four-part chorale texture. Rhythmic, melodic, and harmonic improvisation, both solo and in groups. Singing and perceiving modulations. One hour in-class instruction and one hour computer-assisted lab instruction per week.

201. Music Theory III **3 credit hours**
Prerequisite: Music 102
Corequisite: Music 211
Refinement of harmonic and form analysis skills, including formulation of sound theoretical arguments concerning music of the 17th, 18th, and 19th centuries. Chromatic elements of music, including secondary dominants, Neapolitan and augmented sixth chords, borrowed chords, and chromatic mediants. Analysis of contrapuntal procedures, including fugue. Study of forms, including theme-and-variation, sonata, and rondo. Students will write a melody with instrumental accompaniment, using the harmonic materials studied during the semester. Computer-assisted instruction supplements course materials.

202 Music Theory IV **3 credit hours**
Prerequisite: Music 201
Corequisite: Music 212
Continued exploration of analytical arguments, concerning works of the late 19th and 20th centuries. Chromatic modulation, enharmonic chords, expanded tonicization, and linear harmonies. Compositional styles of Debussy, Stravinsky, Bartok, Messiaen, Schoenberg, Cage, Reich, and others will be examined. Detailed analysis of intervallic organization and serialism. Students will write a work in a 20th-century style. Computer-assisted instruction supplements course materials.

211. Aural Skills III **1 credit hour**
Prerequisite: Music 112
Corequisite: Music 201
Continuation of diatonic singing and dictation. Introduction to embellishing and functional chromaticism through singing and dictation. Further ear-training in functional harmony, including chromatic harmony. Improvisation of rhythms, melodies, and harmonies, with an emphasis on group improvisation. One hour in-class instruction and one hour computer-assisted lab instruction per week.

212. Aural Skills IV **1 credit hour**
Prerequisite: Music 211
Corequisite: Music 202
Functional chromatic singing and dictation, including enharmonic chords and distant modulations. Continuation of functional harmonic ear-training. Singing and dictation of atonal music, especially interval cells and tone rows. Practice in hearing by interval rather than within a tonal context. Improvisation of tonal and atonal music. One hour in-class instruction and one hour computer-assisted lab instruction per week.

308. Pedagogy in the Applied Field **1 credit hour**
A study of various teaching techniques and a practical introduction to materials and procedures. Includes observation and teaching.

311. Music in Non-Western Cultures **3 credit hours**
Prerequisite: Music 101, or the music section of Fine Arts 140/340, or permission of instructor
A study of the musics of several non-Western cultures, including their characteristics and structures, genres, histories, and places in their societies. Reading, listening, analysis, and a research project are required.

312. History of Music in the United States 3 credit hours
Prerequisite: Music 101, or the music section of Fine Arts 140/340, or permission of instructor
A study of music in the United States from the Pilgrims to the present, including both the cultivated and the vernacular traditions. Reading, listening, analysis, and a research project are required.

313. History of Western Fine Arts Music to 1750 3 credit hours
Prerequisite: Music 102
A study of the western fine arts tradition in music in ancient Greece, the Middle Ages, the Renaissance, and the Baroque Era. Reading, listening, analysis, and a research project are required

314. History of Western Fine Arts Music from 1750 to the Present 3 credit hours
Prerequisite: Music 102
A study of the western fine arts tradition in music in the Classical, Romantic, and Modern eras. Reading, listening, analysis, and a research project are required.

322. Conducting 3 credit hours
Prerequisite: Music 102
Conducting patterns, rehearsal techniques, and score reading, with practical applications through exercises and through rehearsal and conducting of selected music literature. Students gain practical experience in conducting an ensemble along with their classroom work.

323. Orchestration and Arranging 2 credit hours
Prerequisite: Music 201
Aural and visual examination of writing techniques for string, woodwind, brass, and percussion instruments, with emphasis given to scoring applications appropriate for secondary school ensembles. Scoring for less frequently used instruments, including fretted instruments, and the human voice as an orchestral timbre. Includes computer-assisted scoring.

324. Introduction to Orchestral Instruments 4 credits total
Emphasis is placed on elementary performing ability on string, wind, and percussion instruments sufficient to teach students effectively in elementary and secondary school performing groups. Four semesters of instruments are required (one hour credit per semester) with variable emphasis according to the needs of the prospective teacher.

337. Internship 9-15 credit hours
Prerequisites: Music 102 and permission of instructor
Full-time supervised, field-based experience in professional settings, such as music publishing, music retail, performing arts organizations, arts councils, and church music programs.

343. Practicum 2-6 credit hours
Prerequisites: Music 102 and permission of instructor
Part-time supervised, field-based experience in professional settings, such as music publishing, music retail, performing arts organizations, arts councils, and church music programs.

349. Special Topics in Music 3 credit hours
Prerequisite: Permission of instructor
Topics, selected in accordance with student interest, may include advanced music theory, musical arranging, music and the other arts, and hymnology.

350. Individual Study in Music 3 credit hours
An advanced individual study course. The subject matter is variable according to the needs of the student.

351-352. Senior Thesis 6 credit hours
Individual study, with the guidance of a faculty supervisor. Ordinarily taken the spring term of the junior year and the fall term of the senior year.

401. Literature in the Applied Field I 1 credit hour
A chronological survey of the standard repertoire of each performance medium through score study, record listening, and performance. Offered as demand warrants.

402. Literature in the Applied Field II 1 credit hour
A continuation of Music 401.

Applied Music

The study of applied music is central to all curricula in music and is a valuable elective for students in majors other than music. One credit hour per semester is earned for a half-hour lesson and at least three hours practice per week. Two credit hours per semester are earned for an hour lesson or two half-hour lessons and at least six hours practice per week. (Non-credit students are expected to practice the same amount of time as the parallel credit students).

Both instruction and practice include both technique and a minimum standard repertoire. For music majors, the latter includes, over a period of time, standard repertoire for the given instrument from each appropriate historical era and genre. For non-majors, the instructor may tailor the selection of repertoire to the individual student's particular goals and needs.

MUS A01 Keyboard Fundamentals

Instruction in basic musicianship and keyboard technique, including principles of transposition and improvisation, to enable students to develop the skills necessary to pass the piano proficiency examination. A development course which can be taken for credit or non-credit. Credits earned in this course may not be applied to a music major.

MUS A02 Piano

Prerequisite: Demonstrated basic keyboard proficiency

MUS A03 Organ or Harpsichord

Prerequisite: Demonstrated basic keyboard proficiency

MUS A04 Voice

MUS A05 Guitar

MUS A06 Strings

MUS A07 Woodwinds

MUS A08 Brass

MUS A09 Percussion

MUS A10 Jazz Improvisation

Prerequisite: Permission of instructor

Development of fundamental skills and techniques necessary for jazz improvisation performance.

MUS A11 Composition

Prerequisite: Music 102

Development of basic techniques in the structure and craft of musical composition. Writing in all forms according to individual abilities.

Ensembles

The following ensembles are open to all students who meet the stated requirements. One credit hour per semester may be earned for participation in one of these organizations.

MUS E12 The Maryville College Concert Choir *

MUS E13 The Maryville College Community Chorus

MUS E14 The Maryville-Alcoa College-Community Orchestra **

MUS E15 The Maryville College Jazz Band **

MUS E16 The Maryville College Community Concert Band **

* Audition required

** Some previous instrumental experience required

MUS E17
Chamber Music Ensemble 1/2 credit hour per semester

Prerequisite: Permission of instructor

Small instrumental and/or vocal ensembles, guided by music faculty in the performance of appropriate chamber music. Specific offerings will vary from year to year, depending upon student need.

Outdoor Recreation

Assistant Professor Pierce, Ms. Cate, Mr. Piepenbring

The **Major in Outdoor Recreation** consists of a minimum of 43 hours and includes the following courses: PHR 102, 215, 321, 343 (3 credit hours required), 315, 335, 351, and 352. A total of 7 activity courses, 5 hours of which must be outdoor related, is also required. Related courses are Psychology 101, Computer Science 124-125, Biology 311, and Business 201. Students majoring in outdoor recreation are encouraged to complete coursework for a minor such as business, psychology or sociology.

Course descriptions may be found under Physical Education, Health and Recreation and other subject areas in these course listings.

The **Minor in Outdoor Recreation** consists of 16 credit hours. The required courses are PHR 102, 107, 172, 174, 321, 335, and Biology 311. The minor also requires the completion of the Red Cross certification in Standard First Aid and Community CPR. The minor in Outdoor Recreation is not open to physical education majors.

Philosophy

Assistant Professor Meyer

Philosophy was the first academic discipline and the parent of all others taught in schools and colleges. As such, philosophy examines the basic assumptions upon which other disciplines function.

The **Minor in Philosophy** consists of 15 credit hours. Two courses from Philosophy 201, 203 and 204 are required.

104. Introduction to Philosophy **3 credit hours**

An introduction to philosophical investigation and reflection, emphasizing the search for ways to understand humans in their world. Students are encouraged to develop their own analytical perspectives as they encounter such philosophical questions as language about God, the freedom and limitations of humans, the bases of knowledge and belief, and the nature of social and political responsibility.

201. Ancient and Medieval Philosophy **3 credit hours**

Examines the birth of self-critical reflection from the pre-Socratic philosophers through Plato, Aristotle, and Greco-Roman philosophy up through the philosophy of the high middle ages, e.g., Aquinas and Occam.

203. Modern Philosophy **3 credit hours**

Discussion of the rise of the modern scientific world view, individualism, and subjectivism, with their revolutionary implications for contemporary interpretations of self, world, and responsible ethical, political, and cultural commitment.

204. Contemporary Philosophy **3 credit hours**

Exploration of some of the major philosophical movements in the 20th Century, such as existentialism, pragmatism, phenomenology, logical positivism, linguistic analysis, and process philosophy.

208. Special Topics in Philosophy **3 credit hours**

Philosophic examination of a topic or thinker of special interest to students and faculty. Students are invited to propose topics for the course. Course may be repeated for credit when topics vary.

326. Philosophy of Religion **3 credit hours**

Prerequisite: Any philosophy course or junior standing

Religious symbols and systems studied from a philosophical perspective. Among questions the course considers are the nature of religious language, approaches to religious truth, various conceptions of divinity, and whether humans are naturally religious.

329. Modern Critiques of Religion **3 credit hours**

Prerequisite: Any philosophy course or junior standing

An exploration of religious beliefs, attitudes and practices from the standpoint of religion's critics, both those within and without religious traditions.

Physical Education, Health and Recreation

Associate Professors Perry and Craig, Assistant Professor Pierce, Ms. Cate, Mr. Etchison, Mr. Fernandez, Mr. Guillaume, Mr. Ledford, Mr. Pavao, Mr. Piepenbring, Ms. Schram, Mr. Wilks, Ms. Wood, Ms. Zimmerman

In Physical Education, Health and Recreation, two majors are offered: one in Physical Education, with a second track in Physical Education/Health for students planning careers as teachers in the field, and one in Outdoor Recreation.

The **Major in Physical Education** consists of 39 credit hours and includes the following courses: Physical Education, Health and Recreation (PHR) 101, 102, 106, 122, 219, 231, 321, 332, 334, 341, 345, 346, 351, 352 and Biology 217 and 218 and Chemistry 117. American Red Cross certifications in Standard First Aid and Community CPR are required as part of the major.

A second track in the major, **Physical Education/Health for K-12 Teacher Licensure** consists of 51 credit hours and includes the following courses: PHR 101, 102, 106, 122, 219, 231, 236, 237, 321, 332, 334, 336, 341, 345, 346, 351, 352. Related courses are Environmental Studies 101, Sociology 215, Biology 217 and 218 and Chemistry 117. Additional liberal studies requirements are Psychology 101 and Sociology 271. Also required are 26 credit hours in professional courses in teacher education which consist of Psychology 218, Education 301, 302, 321, 343, (4 credit hours) 401, 402. American Red Cross certifications in standard First Aid and Community CPR are required as part of this major.

Careful planning of one's course of study is necessary to ensure that general education, major, and professional teacher licensure requirements are met within the framework of four years. It is particularly important to complete Psychology 101 and Chemistry 117 in the freshman year. Students should meet with the adviser for teacher licensure in physical education as soon as possible. Admission to teacher education is not automatic and occurs only after certain qualifications are met, which include a minimum cumulative GPA of 2.5, a minimum 2.5 in the major, a minimum score on certain standardized tests, and successfully passing two screening processes. Please refer to the section in the catalog on Education for more information and course descriptions.

The **Minor in Physical Education** consists of 18 credit hours including PHR 102, 121 or 122, 321, 331, one lifetime sports course, one team sports course, and at least seven additional hours chosen from courses at the 200-or 300-level. The minor should complete the Red Cross certification in Standard First Aid and Community CPR. The minor in Physical Education is not open to outdoor recreation majors.

The **Major in Outdoor Recreation** consists of a minimum of 43 hours and includes the following courses: PHR 102, 321, 343 (3 credit hours required), 315, 335, 351, and 352. A total of 7 activity courses, 5 hours of which must be outdoor related, is also required. Related courses are Psychology 101, Economics 215, Computer Science 124-125, Biology 311, and Business 201. Students majoring in outdoor recreation are encouraged to complete coursework for a minor such as business, psychology or sociology.

The **Minor in Outdoor Recreation** consists of 16 credit hours. The required courses are PHR 102, 107, 172, 174, 321, 335, and Biology 311. The minor also requires completion of the Red Cross certification in Standard First Aid and Community CPR. The minor in Recreation is not open to physical education majors.

101. Human Health and Development **3 credit hours**

A course designed to provide understanding of holistic health (physical, mental and emotional), including health related consumer issues. Fundamentals of physical fitness are introduced, along with issues of human development from late adolescence through old age. Practical sessions in laboratory and gymnasium are part of this course.

102. Historical, Philosophical, and Sociological Foundations of Physical Education, Recreation, and Sports **3 credit hours**

A study of the historical, philosophical and sociological foundations of physical education, recreation and sports that should give students the ability to articulate and communicate effectively the goals of physical education, recreation and sports programs to students, colleagues, administrators and parents.

205. Team Sports, Intramural Administration, Officiating Techniques **3 credit hours**

Rules, techniques, teaching progressions of selected team sports. Practical experience in programming and leadership of intramural activities. Study of officiating techniques, followed by field practice.

219. Principles of Human Nutrition **3 credit hours**

Focus is on optimal nutrition for energy, growth and health. The course includes information regarding the functions and interactions of vitamins, minerals and nutrients. Assessments, analysis and appropriate interventions are addressed.

231. Motor Development and Motor Learning **2 credit hours**

Prerequisite: PHR 102

A study of the physical growth and development of children and youth, the development of movement skills progressing from the simple to the complex, and the principles of skill acquisition and body control. The psychological aspects of physical education and their relationship to learning human movement skills is emphasized also.

233. Athletic Coaching **3 credit hours**

Examination and analysis of the coaching profession. Philosophical, psychological, social and financial aspects are considered, along with establishment of policies and programs. Field experience included.

236. Health Issues in Education **2 credit hours**

A course designed for teacher licensure students which develops an understanding of the basic concepts of physical, mental, and emotional health and safety. Includes development of abilities involved in decision-making and interpersonal skills which promote good health, recognizing and dealing with health problems, using health appraisals and recommending referrals, and using risk management and safety procedures.

237. Introduction to Health Education **1 credit hour**

Prerequisite: PHR 236. Open only to PE/Health licensure majors

Designed to provide students with an understanding of the philosophy of health education and the components of a comprehensive school health program. Practical experience with various assessments is provided.

311. Athletic Training **3 credit hours**

Prerequisites or Corequisites: Biology 217 and American Red Cross certifications in Standard First Aid and CPR

An introduction to the care, prevention, treatment and rehabilitation of athletic injuries. Laboratory experience includes first aid, taping, bandaging and injury evaluation. Clinical work with both men's and women's intercollegiate teams is included.

312. Advanced Athletic Training **3 credit hours**

Prerequisite: PHR 311

This course is designed for the student with plans to pursue a career in sports medicine. It will cover advanced techniques in first aid, therapeutic exercise and modalities, clinical evaluations, and ethical and legal responsibilities of an athletic trainer. Laboratory experience includes working with the intercollegiate men's and women's athletic teams and work in a local sports medicine facility.

315. Wilderness Emergency Response **3 credit hours**

Prerequisites: Natural Science 150, 2 outdoor activity classes

Wilderness Emergency Response addresses emergency management situations such as patient assessment, likely wilderness medical scenarios, CPR, first aid kits, transport equipment, and the outdoor professional's role in emergency situations and search and rescue management. Course includes identifying, processing, and avoiding hazards as well as field practice.

321. Physical Education and Recreation for Special Populations **3 credit hours**

Prerequisites: Psychology 101 and 218, PHR 231

Designed to provide a basic understanding of various handicapping conditions and the opportunity to master adapting physical education and recreation programs for exceptional children.

331. Physical Education for Children **2 credit hours**

Prerequisite: Junior standing

An examination of the cognitive, affective, and psychomotor goals of physical education. Designed to develop an understanding of activities appropriate for elementary school-age children, such as physical fitness, rhythmic movement, gymnastics, games, and sports. Includes study of instructional methods and development of the ability to implement instruction appropriate to developmental level.

332. Kinesiology **3 credit hours**

Prerequisites or corequisites: Biology 217 or 218

Prerequisite: PHR 231

A study of human movement from anatomical and mechanical perspectives to include equilibrium, force, motion, leverage and fluid mechanics.

334. Administration and Supe revision of Physical Education Programs **2 credit hours**

Prerequisites: PHR 102, 231

Study will focus on the role of management in physical education programs from kindergarten through the 12th grade; the ability to design, procure, and use facilities and equipment effectively and safely. The relationship of physical education to the total school program and legal responsibilities of a physical education teacher are included.

335. Outdoor Recreation Leadership **3 credit hours**

Prerequisites: PHR 102, 215, 2 outdoor activity classes

The study of outdoor recreation leadership skills, activity, and safety specific to the out-of-doors. The historical background, legal issues, and environmental impact of outdoor recreational activities are considered. Field experience is included.

336. Community Health **3 credit hours**

Prerequisites: PHR 101, 236 and 237

Focuses on assessment and identification of community health needs and referral and coordination of community health services. The course includes application to problems related to mental, environmental and physical health as well as those associated with broader social issues.

337. Internship in Physical Education or Outdoor Recreation **9-15 credit hours**

Practical off-campus experience in a field setting. One credit hour is associated with each week of full-time employment.

341. Measurement and Evaluation in Physical Education **3 credit hours**

Prerequisites: Math 120, PHR 102, 231

Study directed toward the administration and interpretation of basic statistical procedures related to designing appropriate fitness programs and understanding health and sport related components of physical fitness.

343. Practicum **2-6 credit hours**

Prerequisite: Junior standing

Practical experience in appropriate settings enabling students to apply methods, skills and techniques learned in the classroom to field settings. The portions of the practica required of outdoor recreation majors must be set in the Mountain Challenge program.

345. Physiology of Exercise **3 credit hours**

Prerequisites or corequisites: Biology 217 or 218, PHR 102 and 231

Study of the physiological principles related to exercise and human movement to include health and sport related components of physical fitness.

346. Physical Education In Games, Sports and Activities **3 credit hours**

Prerequisites: PHR 231 and 102

This course is designed to provide an understanding of rules, strategies, and the sports-related fitness and other skills necessary to engage in lifetime activities and games/sports. Various methods to evaluate individual progress are included. Practical sessions are a part of this course.

351-352. Senior Thesis **6 credit hours**

Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Activity Courses

The following courses are open as electives to all students, without regard to major field. Each course carries a value of one credit hour.

Aquatics

104 Aquatic Exercise and Fitness

106 Aquatics Education

107 Paddling I

108 Advanced Paddling II

109 Paddling for Certification III

Mountain Challenge

125-126-127 Mountain Challenge

Ropes courses, rock climbing/rapelling, bicycle trips, map and compass, hiking, backpacking, canoeing/kayaking, caving, mountain rescue and first aid, outdoor and environmentally-related service projects. Each Mountain Challenge course consists of five different Mountain Challenge experiences which may be completed in one semester or over a longer period of time. The program is supervised by the Mountain Challenge program director in the Life Enrichment Center. A maximum of three credit hours may be earned in Mountain Challenge.

Lifetime and Individual Sports

121 Folk, Square & Social Dance

139 Aerobics

141 Archery

147 Bowling

153 Golf

163 Racquetball

166 Tennis

168 Weight Training and Conditioning

172 Camping and Outdoor Education

174 Orienteering

176 Fly fishing

188 Rock climbing I

189 Rock climbing II

191 Karate

Physics

Assistant Professor Miller

The curriculum in chemical physics affords the student sound training in the principles and techniques of modern physico-chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing professional in highly interdisciplinary applications. Opportunity for research through the Oak Ridge Associated Universities and National Laboratories such as Argonne, Brookhaven, Los Alamos, and Oak Ridge complement the curriculum.

The **Major in Chemical Physics** provides an interdisciplinary curriculum for students planning careers in physics having strong chemical emphasis. With careful elective choice students may pursue professional careers in industry or enter graduate school programs that lead to a variety of research-oriented careers in private or government laboratories and agencies. The Major in Chemical Physics consists of 52 hours in physics, chemistry and related fields and provides an interdisciplinary curriculum for students planning careers in physics having strong chemical emphases. Required coursework includes Physics 201, 202, 271, 301, 351, and 352; Chemistry 121, 122, 381, 391, 399, 425 and 451; and Mathematics 125, 225, and 236. Specific requirements of particular post-graduate institutions should be ascertained early in the undergraduate program since they may require courses for admission beyond the minimum required for the chemical physics major. Suggested languages are German and French.

A second track in the major, **Physics/Mathematics for Teacher Licensure**, leads to licensure in both physics and mathematics. This track consists of 56 hours in major and related fields and is designed to accommodate students planning careers as teachers of physics and mathematics and of general and physical science at the secondary level. Required coursework includes Physics 201, 202, 272, 301, and 371; Mathematics 125, 225, 232, 235, 301, 302, 315, 321, and 326; and Chemistry 117. Senior Thesis 351 and 352 incorporates both disciplines into a single study. The Natural Science 150 requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Sociology 271, Computer Science 131 or 219 and Biology 311. Students pursuing this major must complete 29 hours of professional courses in teacher education. The professional courses are listed under education in this catalog. Suggested languages are German, French or Spanish.

The **Minor in Physics** consists of a minimum of 27 hours, including Physics 201, 202, 271, 301; either Physics 371 or Chemistry 451; Biology 399 or Chemistry 399; and Mathematics 125, 225.

101. College Physics I **4 credit hours**

Prerequisite: Mathematics 115 or equivalent

An algebra-based introduction to physics for majors in the life sciences. The areas explored are classical mechanics and thermodynamics. Topics include: translational and rotational motion of particles and rigid bodies; Newton's laws of motion; conservation laws; energy and work; equilibrium; gravitational forces and fields; temperature; heat; pressure; kinetic energy of gases; the laws of thermodynamics; Carnot cycles; and entropy. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and impart a deeper understanding of physical phenomena and associated concepts.

102. College Physics II **4 credit hours**

Prerequisite: Physics 101

Continuation of Physics 101. The areas explored are electricity & magnetism, wave motion, and geometrical optics. Topics include: electric and magnetic forces and fields; electric potential and potential energy; capacitance, resistance and current; Maxwell's equations; harmonic motion and oscillation; wave motion; reflection and refraction of light; ray approximation for geometrical optics; and interference, diffraction and polarization of light. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and impart a deeper understanding of physical phenomena and associated concepts.

201. General Physics I **4 credit hours**

Pre- or corequisite: Mathematics 225

A calculus-based introduction to physics for majors in the physical sciences, mathematics and engineering. The areas explored are classical mechanics and thermodynamics. Topics include: translational and rotational motion of particles and rigid bodies; Newton's laws of motion; conservation laws; energy and work; equilibrium; gravitational forces and fields; temperature; heat; pressure; kinetic energy of gases; the laws of thermodynamics; Carnot cycles; and entropy. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and to impart a deeper understanding of physical phenomena and associated concepts.

202. General Physics II **4 credit hours**

Prerequisite: Physics 201

Continuation of Physics 201. The areas explored are electricity & magnetism, wave motion, and geometrical optics. Topics include: electric and magnetic forces and fields; electric potential and potential energy; capacitance, resistance and current; Maxwell's equations; harmonic motion and oscillation; wave motion; reflection and refraction of light; ray approximation for geometrical optics; and interference, diffraction and polarization of light. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and to impart a deeper understanding of physical phenomena and associated concepts.

271. Modern Physics **4 credit hours**
Prerequisite: Physics 202
Introductions to the theories and supporting experimental evidence of selected topics in modern physics. Topics include: special relativity; relativistic mass, momentum, and energy; general relativity, warping of space-time, and black holes; particle-wave duality; uncertainty principle; atomic structure; quantum theory and atomic/molecular spectra; lasers; Schrodinger's equation; eigenvalues, eigenfunctions and expectation values; nuclear forces; radioactivity, nuclear fission and fusion; and nuclear reactors. Laboratory work involves experiments that explore the quantum nature of matter and energy.

272. Modern Physics **3 credit hours**
Prerequisite: Physics 202
Identical to Physics 271, except without the laboratory.

301. Analytical Mechanics **3 credit hours**
Prerequisite: Physics 201
Newtonian dynamics applied to single and many-particle systems as well as to two- and three-dimensional rigid bodies. Topics include: harmonic motion; nonlinear oscillators; the Coriolis force; motion due to a central force; Kepler's laws of planetary motion; scattering; gyroscopes; and equilibrium and stability. Variational and Lagrangian mechanics are also introduced.

337. Internship in Chemical Physics **9-15 credit hours**
Prerequisite: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical off campus experiences that apply methodologies and techniques of the physico-chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each week of full-time employment.

343. Practicum in Chemical Physics **2 to 6 credit hours**
Prerequisite: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical experiences, either on or off campus, that apply methodologies and techniques of the physico-chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each three hours of work every week for a 14-week semester.

351-352. Senior Thesis **6 credit hours**
Independent research in an area of interest to the student. The project is carried out under supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.

371. Electricity & Magnetism **3 credit hours**
Prerequisite: Physics 202
Electromagnetic theory as formulated in Maxwell's equations is applied to charged particles, and vector analysis is used extensively. Topics include: electric forces and fields; electric potential; boundary conditions and uniqueness theorems; electric susceptibility, permitivity and dielectrics; magnetic forces and fields; magnetic vector potential; magnetization; and magnetic susceptibility and permeability.

Political Science

Professors Howard and Kim, Assistant Professor O'Gorman

Political science is concerned with the analysis of political processes and institutions. The major in Political Science helps the student prepare for several fields of endeavor including law, public administration, diplomatic service, teaching, journalism and business.

The **Major in Political Science** requires 45 hours in the principal and related fields. Required courses are Political Science 121, 122, 211, 212, 232, 306, 311 or 312, 321 or 322, 345 or 349, 351-352, Economics 201, Mathematics 221, Social Science 301, one course from Psychology 101, Sociology 101 or 211.

A second track in the major, **Political Science/History for Teacher Licensure**, leads to licensure in political science with a secondary emphasis in history. The track requires 36 hours. Courses required in political science are 121, 122, 211, 212, 321, 322, 351 and 352; courses required in history are 112, 203, 242, 251 and three hours chosen from 342, 344, and 346. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Minor in Political Science** consists of 15 hours, including 121, 122, 211 or 212, and six additional hours in political science.

121. Contemporary Political Issues **3 credit hours**

Attention to major political issues of the day. Emphasis on learning how to think about politics. Consideration given to the origins, consequences, and possible solutions of the problems under consideration.

122. American Government and Politics **3 credit hours**

Introduction to the government and politics of the American national political system. Attention is given to the historical and philosophical setting, the formal governmental structure, and the behavioral bases of the American polity.

211. Comparative Government and Politics **3 credit hours**

Prerequisite: Sophomore standing

Study of political systems of selected countries. Illustration of major polity types, such as Western and non-Western, democratic and authoritarian, developed and less-developed. Examinations of political cultures, institutions, processes, and current political problems.

212. International Politics **3 credit hours**

Prerequisite: Sophomore standing

Study of the scope and methods of international politics. Emphasis on the underlying principles governing international relations and the major techniques for the implementation of foreign policies.

232. Public Policy **3 credit hours**

Prerequisite: Sophomore standing

Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making.

306. Political Philosophy **3 credit hours**

Prerequisite: Political Science 121 or 122 or permission of the instructor

Thematic and/or chronological consideration of perennial issues in political science, such as liberty, justice, political obligation, and political authority. Philosophical approaches to the understanding of politics are also examined.

311. Government and Politics of East Asia **3 credit hours**

Prerequisite: Political Science 211, World Cultures 320, or permission of the instructor

Comparative study of political background and governmental systems of China, Japan, and Korea with emphasis on traditional and contemporary political behavior, ideas, and institutions.

312. Comparative Foreign Policy **3 credit hours**

Prerequisite: Political Science 122 or permission of the instructor

Comparative analysis of foreign policy processes and issues of selected nation-politics.

321. American Political Process **3 credit hours**

Prerequisite: Political Science 122 or permission of the instructor

American political and governmental institutions and processes: public opinion, interest groups, political parties, Congress, and the presidency.

322. The Judicial Process **3 credit hours**

Prerequisite: Political Science 122 or permission of the instructor

Consideration of the role of the federal judiciary in the American political process. Approaches include case laws and social science research. Topics covered include political power of the judiciary, judicial recruitment, scope of government power, and civil liberties.

337. Internship in Political Science **9-15 credit hours**

Prerequisite: Junior Standing

Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time employment.

343. Practicum in Political Science **2 or 3 credit hours**

Prerequisite: Junior standing and permission of political science faculty.

Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to political science majors. One credit hour is associated with each three hours of work every week for a 14-week semester.

345. Environmental Politics and Public Administration **3 credit hours**

Prerequisites: Junior standing and six hours in political science.

This course will examine the history, actors and issues in world and American environmental policy making. Comparison of theories of environmentalism (conservation, sustainable development, deep ecology). Investigation of structure and actors making environmental policy. Survey of current global/eco-systemic issues in environmental policy (air, sea/water, energy and waste, land). Special emphasis on Tennessee and East Tennessee issues, such as radioactive waste, acid rain in the Smokies and Appalachians, and Tellico Dam.

349. Selected Topics in Political Science **3 credit hours**

Prerequisite: Six hours in political science or permission of the instructor

Examination of topics in political science. Topics vary depending on interests of faculty and students. Offered as demand warrants.

351-352. Senior Thesis **6 credit hours**

Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

Psychology

Professors Waters and Jacobs, Associate Professor Schmied, Assistant Professor Shiba, Ms. DeWick and Mr. Guillaume

The major in psychology provides the student a broad curricular experience in psychology as preparation for graduate school. For students who do not plan to go beyond the B.A. degree, the psychology curriculum would be useful preparation for any career in which group or interpersonal contact is important.

The **Major in Psychology** requires 46 credit hours with 36 hours in major courses and 10 hours in related areas. Required are 101, 299, 312, 313, 344, 351-352, and 15 additional hours.

The 10 hours in related courses include Biology 113, Mathematics 221, and either Sociology 101 or 211. Students who choose for elective credit the practicum, Psychology 343, must complete the prerequisites (Psychology 101, 211, and 331) by the sophomore or junior year. They may begin the practicum in the junior year. Each practicum may involve 6 or 9 hours experience per week with commensurate academic credit of two or three hours; however, total credit for all practicum experiences cannot exceed six hours. A double major in psychology and one of the child development majors is not permitted.

The **Minor in Psychology** consists of 15 hours in psychology with no fewer than two 300-level courses. The minor in psychology is not open to child development or human services majors.

The **Major in Child Development and Learning** is designed for students who plan to work with children in either the elementary grades or a non-school setting or enter a graduate program in Child Development. The Major in Child Development and Learning requires 39 or 40 credit hours, 26/29 credit hours in psychology and 10/14 hours in related fields. Required are Psychology 101, 211, 218, 299, 306, 313, 334, and 351-352, and 3 additional hours. Related courses are PHR 236 and 331, Sociology 215, and Math 207. For those seeking teacher licensure whose math placement is less than Math 125, Math 115 is required and substitutes for the psychology elective. Additional liberal studies are English 212 and History 111, 112, or 203, Sociology 271, and Biology 311. A physical science must be taken for the Science 150 general education requirement. The Standard First Aid and Community CPR certifications as offered by the American Red Cross are required for graduation in this major. For those in the major not seeking teacher licensure, Psychology 312 is required, Math 221 substitutes for Math 207, Computer Science 123-4-5 is taken for History 111 or 112, and Social Science 260 should be taken.

101. Introductory Psychology **3 credit hours**

Fundamental principles of human behavior. Attention to the aims, methods, and ethics of psychology and other topics including motivation, emotion, learning and cognition, perception, personality, and behavior disorders. Relating psychological principles to individual and social experience as well as other disciplines is a basic objective of this course.

211. Child Development **3 credit hours**

Prerequisite: Psychology 101

Growth and development of the child from birth to maturity. Physical, intellectual, moral, social, and emotional aspects of growth are considered as they relate to various stages of development. Child observation study is required for the child development major with licensure.

218. Psychology of Adolescence **3 credit hours**

Prerequisites: Psychology 101 and sophomore standing

Growth and development of the adolescent from puberty to 21. The organization of appropriate educational environments for adolescents is discussed. Educational tests and measurement, both formal and informal, and their interpretation are considered. Observation of middle school age children is included.

221. Social Psychology **3 credit hours**

Prerequisite: Psychology 101

The study of interactions of individuals with the social environment. Attitudes, leadership, attraction, persuasion, aggression, group influence, and group dynamics are among the topics studied.

299. Contemporary and Professional Issues in Psychology **1 credit hour**

Prerequisite: Major in Psychology or Child Development, Psychology 101

This is a course for new majors to explore contemporary and professional issues including future directions of Psychology and career options. There will be opportunities for the class to critique Senior Theses projects presented by advanced majors.

301. Theories of Personality **3 credit hours**

Prerequisites: Psychology 101 and junior standing.

An examination of the major theoretical approaches to personality. The course seeks to provide an understanding of the role of personality theory and research in the field of psychology.

306. Language Development **3 credit hours**

Prerequisites: Psychology 101 and 211

Principles of receptive and expressive language development related to basic components of phonology, syntax, semantics, and pragmatics. Current language models along with psycholinguistic and sociolinguistic studies which relate to language development are explored. Emphasis is given to the importance of language development in the acquisition of reading and writing skills. Field experience is included.

312. Experimental Psychology **4 credit hours**

Prerequisites: Psychology 101 and Mathematics 221

Methodological approach to psychological investigation. Although the course concentrates on methodology and the writing of research reports, attention is directed to such content areas as the history of experimental psychology, ethics in research, and application of psychological principles. Laboratory practice.

313. Human Learning and Cognition **4 credit hours**

Prerequisites: Psychology 101, 218 or 312, and Mathematics 120

Individual differences in cognition are examined within the context of theories of learning. Appropriate expectations and experiences for children at various stages of cognitive development are related to theories. Laboratory practice.

331. Abnormal Psychology **3 credit hours**

Prerequisite: Psychology 101

A psychological approach to the causes, symptoms, treatment, and prevention of abnormal behavioral. Attention to the various perspectives of abnormal behavior, assessment and classification.

333. Counseling **3 credit hours**

Prerequisite: Psychology 101

Study of counseling techniques in such settings as school, industry, and the clinic. Special emphasis on self-management procedures and interviewing.

334. Culturally Diverse and Exceptional Children **3 credit hours**

Prerequisite: Psychology 101, 211 or 218, and junior standing

The nature and causes of diversity which are related to culture and different types of exceptionality are examined. Opportunities are provided to practice identification, intervention strategies, and curriculum modification/development. Field experience with culturally diverse and exceptional children is included.

337. Internship in Psychology **9-15 credit hours**

Prerequisite: Junior standing and two psychology courses at the 300 level or permission of the instructor

Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement. Not to be counted toward a major in psychology.

343. Practicum in Psychological Services 2 or 3 credit hours (not to exceed 6)

Prerequisites: Psychology 101, 211 and 331, or permission of instructor

Supervised practical experience during the junior or senior year with an agency or organization offering psychological services. Only three credit hours to be counted toward a major in psychology.

344. Biopsychology **3 credit hours**

Prerequisite: Psychology 101 and Biology 113

Study of the nervous system and biological bases of behaviors. Topics include sensation, emotions, sleep, stress, motivation, and drugs.

349. Seminar **3 credit hours**

Prerequisite: Psychology 101 and junior standing

Selected topics in psychology course content varies from year to year. Previous topics include Health Psychology, Psychology of Women, and Life Span Development.

401. History and Systems of Psychology **3 credit hours**

Prerequisite: Junior standing and 12 credit hours in Psychology

History of psychological thought from ancient Greek philosophers to the twentieth century psychologists is explored. The emergence of the various systems and their comparison on classical problems are also examined. Analysis of primary source material is a key feature of the course.

351-352. Senior Thesis **6 credit hours**

Individual study with the guidance of a faculty supervisor involving a laboratory or a field research problem and a scientific paper reporting the results.

Religion

Assistant Professors Cowan, Meyer, and Pennington

The academic study of religion considers questions which are fundamental, namely questions of the nature and destiny of human existence. Religious response to the experiences of life takes many forms, and religious studies includes examinations of literature and other arts, social institutions, and historical settings as well as cross-cultural comparisons. The **Major in Religion** consists of 42 hours in religion and related areas. Required courses are Religion 111, 212, 326, 344, 346, 351, 352, Humanities 201 and two courses chosen from Religion 325 and 348, Philosophy 326 and 329. Also required are two related courses chosen from English 221, 333 and History 209, 313 and 314. The 3 hours in religion taken to fulfill the general education requirement may not be included in the major, but the student may count the second 100-level biblical studies course toward the major. It is strongly recommended that majors in religion take either Greek or Latin 110-120 or two years of a modern language.

The **Minor in Religion** consists of 15 hours in religion, beyond the course taken to fulfill the general education requirement, including not more than one 100-level course and no fewer than two 300-level courses.

111. The American Religious Experience **3 credit hours**
An introduction to religious studies which employs the American religious experience as its model.

212. World Religions **3 credit hours**
Religion as a universal human phenomenon. Each offering of the course will examine several religious traditions such as Islam, Judaism, Hinduism, Taoism, Buddhism and Christianity, as well as primitive religion.

228. Introduction to Christian Theology **3 credit hours**
An examination of reflective thinking on basic Christian beliefs and practices. No experience in theology is required.

325. Sociology of Religion **3 credit hours**
Prerequisite: Sociology 101, Social Science 260, or permission of the instructor
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons.

326. Contemporary Theology **3 credit hours**
Prerequisite: Any religion course or junior standing
An examination of 20th century Christian thought, with special emphasis on current issues, approaches and major thinkers. Attention is given to the social, political, and historical context of contemporary theology.

343. Practicum in Religion **2-6 credit hours**
An on- or off-campus experience that provides an introduction to careers in religion, enhances understanding of the role of religion in human culture, or applies knowledge gained through the study of religion. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour given. Offered on a S/U basis only.

344. Explorations in Biblical Studies **3 credit hours**
Prerequisite: Biblical Studies 130 or 140
Topics will vary. The course provides an opportunity for students to do advanced study in the Old Testament world and culture or the New Testament world and culture with the topic to alternate between the two. Possible topics include Old Testament Prophets, the Letters of Paul, Old Testament Apocrypha, Christian Apocrypha, and the Covenant Formula in the Old Testament.

346. Explorations in Christian Thought and Culture **3 credit hours**
Prerequisite: Any religion course or junior standing
Topics will vary. An examination of Christian theology and its relationship to culture through art, the work of significant theologians, an historical period, or a theological theme.

348. Explorations in the History of Religions **3 credit hours**
Prerequisite: Any religion course or junior standing
Topics will vary. Studies one or more of the world's religious traditions or a comparative study of a theme or themes in more than one tradition.

349. Seminar in Religious Studies **3 credit hours**
Prerequisite: Any religion course or junior standing
The topics of this course center on cross-disciplinary studies, e.g., Religious Themes in the Modern Novel, Religious Revolt and Political Oppression, The Politics of Violence and Alternatives in Religious Traditions, and Poetic and Narrative Criticism of the Biblical Literature. Topics may be chosen in response to student request. May be repeated for credit.

351-352. Senior Thesis **6 credit hours**
Commonly a research project resulting in a thesis or substantial essay, but other types of work, such as the writing and performance of religious music or the writing and production of religious drama, are also acceptable.

Sign Language/Interpreting

Professor Waters, Assistant Professors Maher and Moran

The major in Sign Language Interpreting prepares students to work as professional interpreters with deaf and with hard-of-hearing persons in a variety of situations. While American Sign Language serves as a foundation, several other modes of communication used by the deaf community are introduced as well. Audio-visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with deaf and with hard-of-hearing persons and regular practice using videotaping equipment are principal means for the development of skills. Success in American Sign Language (ASL) and Deaf Studies or Sign Language Interpreting requires good vision, ability to perceive and process visual information, and eye-hand coordination that allows effective communication. Students who have little or no experience learning visually may find it necessary to repeat some of the basic ASL courses. A good foundation in basic ASL is critical to advancing successfully in the ASL and Deaf Studies major as well as the Sign Language Interpreting major. Sign Language Interpreting majors require good auditory perceptual skills as well as good visual skills. One exception is that D/deaf people who want to become D/deaf interpreters are encouraged to apply to the Sign Language Interpreting program.

The **Major in Sign Language Interpreting** requires 48 hours with 39 hours beyond the first year ASL 101 and 102 courses in the major and nine hours in related courses. Major courses which are required are 203, 215, 301, 302, 303, 306, 307, 311, 321, 337, and one course from ASL 204, 305, or 331, and 351-52. Required related courses are Psychology 101 and Social Science 301. Sociology 211 and 215 are strongly recommended. A supervised internship in an approved off-campus agency is an essential part of the major program. Internships and practicum requirements, limited class enrollments, and the necessity of offering some classes in alternate years, demand very careful planning by students majoring is American Sign Language and Sign Language Interpreting. Major paradigms and alternate year offerings are available from major advisers.

The **Major in Sign Language and Deaf Studies** is intended for those desiring to pursue studies in the areas of linguistics or anthropology at the graduate level or communication skills/cultural knowledge for use in counseling, social work, teaching, or other service fields.

Audio-visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with D/deaf and with hard-of-hearing persons and regular practice using videotaping equipment are principal means for the development of skills.

Successful graduates of the ASL studies major will be able to comfortably communicate in ASL receptively and expressively and to comfortably and appropriately interact in the D/deaf community at entry level. The major in American Sign Language and Deaf Studies requires 45 hours with 30 hours beyond ASL 101 and 102 and 15 hours for related courses. Required courses are ASL 203, 204, 215, 305, 307, 331, 335, 343, and 351-2. Required related courses are Psychology 101, 211 and 306, Social Science 301, and one course from Sociology 202, 211, or 221.

The **Minor in Sign Language and Deaf Studies** consists of 203 and 307 and nine additional hours above the 100-level. The minor in American Sign Language and Deaf Studies is not open to interpreting majors.

101. American Sign Language I **4 credit hours**

An introduction to American Sign Language using concepts related to people, places and objects within the immediate environment. Emphasis is placed on appropriate language and cultural behaviors in various situations with students learning grammar in the context of communicative activities. Laboratory classes are used to expand expressive and receptive skills.

102. American Sign Language II **4 credit hours**

Prerequisite: ASL 101 or permission of the instructor

A sequel to ASL 101 which is designed to encourage students to talk about people in a more abstract way and learn to narrate events that occurred in the past. Students learn appropriate cultural behaviors for directing and maintaining attention as well as strategies for controlling the pace of conversation and resuming conversations after an interruption. Laboratory classes are used to expand expressive and receptive skills.

203. American Sign Language III **3 credit hours**

Prerequisite: ASL 101-102 or permission of the instructor

A sequel to ASL 101-102 designed to encourage students to talk about people in a more abstract way and to talk about the environment removed from the classroom. Students learn also to narrate past events. Laboratory classes are used to expand expressive and receptive skills

204. American Sign Language IV **3 credit hours**
Prerequisite: American Sign Language 203 or placement into the course
A sequel to ASL 203 with intensive practice involving expressive and receptive skills in storytelling and dialogue. Encourages more creative use of expression, classifiers, body postures, and the signing space.

215. Translation and Interpreting Readiness **3 credit hours**
Prerequisite: ASL 203 or permission of the instructor
This course provides necessary transition from sign communication to interpretation between ASL and English. Course content includes written, spoken, and signed translation exercises. Outside study consists of individual and group assignments, fingerspelling and numbers practice, and English vocabulary development.

301. Introduction to Interpreting **3 credit hours**
Prerequisite: American Sign Language 203 or permission of the instructor
A survey of the major areas of the interpreting profession, the code of ethics, and interpreting techniques. Introduction to the interpretive process from spoken English to American Sign Language and sign to voice (interpreting from American Sign Language to English).

302-303. Applied Interpreting I and II **3 credit hours each**
Prerequisite: Interpreting 215
The first course emphasizes developing skills with prepared interpreting and transliterating using audio and video media. The second course progresses to spontaneous interpreting and transliterating skill development. Expressive and receptive skills are developed in both courses. Study for the courses consists of group and pair skills practice as well as interpreting practice.

305. American Sign Language V **3 credit hours**
Prerequisite: American Sign Language 204 or placement into the course
Vocabulary building and mastery of grammar through rigorous receptive and expressive language activities. Includes student-led discussions and debates on topics in Deaf culture, society, and current affairs. Introduces language forms found in ASL storytelling and poetry as well as cultural features as they are displayed in art and the theatre.

307. History and Culture of the American Deaf Community **3 credit hours**
Prerequisites: Junior level standing or permission of the instructor
The history of Deaf people in the Western world, with emphasis on the American Deaf community and the status of Deaf people as both a linguistic and cultural minority. Designed for individuals who may or may not have had prior experience with D/deaf people, the course raises questions concerning the nature of sign language and its various categories, the education of Deaf people, the historical treatment of deafness, and the sociological and cultural makeup of D/deaf individuals.

311. Educational Interpreting **3 credit hours**
Prerequisite or corequisite: Interpreting 301 or with permission of the instructor
This course introduces sign systems, surveys the educational setting, outlines the history of the field, the impact of legislation, and as available provides educational interpreting observation and practice.

321. Comparative Interpreting **3 credit hours**
Prerequisite: Junior standing and Interpreting 302
Specialized areas of interpreting covered include legal, medical/mental health, deaf-blind, and oral. Attention is given to the vocabulary peculiar to each area, through the use of guest lecturers, taped materials and visits to off-campus sites.

331. Introduction to Linguistics of ASL **3 credit hours**
Prerequisite or corequisite: Psychology 306
Conducted in ASL, the course is descriptive and data-oriented rather than theoretical. An introduction to the "phonology," grammar, and semantics of ASL, including studies of variations in structure related to factors of region, social class, ethnicity, age, and sex. There will be extensive use of research articles.

335. ASL Literature **3 credit hours**
Prerequisite: ASL 305
Focuses on various genres of literature by and about Deaf people. Concentrates on Deaf characters and the influences Deaf culture and Deaf history have on literary works from the early 1900s to the present. There will be extensive use of videotaped materials. Offered alternate years, 1998-99, 2000-21.

337. Internship **9-15 credit hours**
Prerequisite: Interpreting 303
A practical experience in an approved facility under the supervision of an interpreter certified by the National Registry of Interpreters for the Deaf. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum **3 credit hours**
Practical experience in a professional environment with supervision by an agency staff person approved by department faculty. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Seminar **3 credit hours**
Selected topics in deaf studies/interpreting. Offered as demand warrants.

351-352. Senior Thesis **6 credit hours**
Prerequisite: Social Science 301, or Psychology 312 or 313
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

Social Sciences: Interdisciplinary Courses

301. Social Sciences Research Methods **3 credit hours**
Prerequisite: Statistics 120 and junior standing
The philosophy and methodology of the social sciences. Emphasis is on the philosophical underpinnings, basic research design, forms of data gathering and the analysis, presentation, and interpretation of data. Individual students research projects related to various social science disciplines.

303. Cultural Geography **3 credit hours**
Prerequisite: Sophomore standing
A study of the relationship between culture and the physical environment. Cultural attitudes toward nature, the transformation of natural into cultural landscapes, invention and the diffusion of culture, demography and settlement patterns, modernization and development, and culture areas.

Sociology

Professor Boldon, Associate Professor Ambler, Assistant Professor Wells, Ms. Gibson, and Dr. Beecher

Sociology deals with social relationships, the structure of society, and the variety of human cultures. The major in Sociology prepares students for endeavors such as teaching, research, human services, and community organization. The minor in Sociology provides a useful supplement to majors in a variety of academic fields.

The **Major in Sociology** requires 42 credit hours, 30 in sociology and 12 hours in related areas. Required are Sociology 101, 211, 319, 351-352, and 15 additional hours chosen from 202, 215, 221, 222, 271, 305, 314, 325, and 349. Required related courses are Math 221, Social Science 301, Psychology 101, and one course chosen from Economics 201, Political Science 211 and 232, and Social Science 303.

The **Minor in Sociology** consists of a minimum of 15 credit hours, including 12 hours above the 100 level. The minor must include Sociology 101 or 211 or both; additional hours may be drawn from 202, 215, 221, 222, 271, 305, 314, 319, 325, 349, and Social Science 301. The minor is Sociology is not open to Human Services majors.

101. Introductory Sociology **3 credit hours**
Study of the fundamental structure and dynamics of human societies and the basic principles and concepts used in sociology.

202. Social Problems **3 credit hours**
Analysis of social problems in the United States and other societies. Emphasis on social stratification, inequality, racial and ethnic relations, and deviant behavior.

211. Cultural Anthropology **3 credit hours**
An application of the concept of culture to various societies, from primitive to modern. Cross-cultural analysis of various institutions. Extensive use of ethnographies.

215. Sociology of Marriage and Family **3 credit hours**
A study of selected aspects of family structure and functions. Mate selection, family organization, sex roles, family breakdown, variant family forms, and demographic change. Analysis of the American family and comparative study drawing on other cultures.

221. Social Psychology **3 credit hours**
Prerequisite: Psychology 101
The study of interactions of individuals with the social environment. Attitudes, leadership, attraction, persuasion, aggression, group influence, and group dynamics are among the topics studied.

222. Sociology of Appalachian Culture **3 credit hours**
The study of major social institutions, such as the economy, family, religion, education, and political institution in preindustrial Appalachia, and the influence of industrialization producing social change. Social problems such as poverty, environmental pollution, and control of resources, and social action taken to ameliorate problems will be a focus. Experiential learning is an emphasis with required fieldwork.

271. Sociology of Education **3 credit hours**
A study of the structure and functioning of educational institutions and the relationships between education and other social institutions, and education in cross-cultural perspective. Attention to current issues.

305. Organizational Behavior **3 credit hours**
Prerequisites: Sociology 101 and Business 201
Analysis of complex organizations and bureaucracy. The goals, design, internal structure, and environmental relations of organizations. The focus is on the individual, the group and the organization as units of analysis.

314. Population and Human Ecology **3 credit hours**
Prerequisite: Sociology 101 or 211 and junior standing
A study of the interrelationships between human population, organization, technology, and the environment. The environment includes both the natural environment, living and nonliving, and human-created environments, such as urban communities. The perspectives of demography, human ecology, and environmental sociology are the analytical tools. Input problems such as availability of energy, food, and depletion of other resources, and output problems such as air, water, and land pollution, waste disposal, and overpopulation are examined.

319. Social Theory **3 credit hours**
Prerequisite: Nine hours in sociology and junior standing
An examination of classical and contemporary theories of the nature of society and human behavior.

325. Sociology of Religion **3 credit hours**
Prerequisite: Sociology 101, Social Science 260 or permission of the instructor
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons.

337. Internship in Sociology **9-15 credit hours**
Prerequisite: Junior standing
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum **2 or 3 credit hours; not to exceed 6**
Prerequisite: Junior standing and permission of the instructor.
Supervised experience during the junior or senior year in a human services, community organization or research setting. One credit hour is associated with each three hours of work every week for a 14-week semester. Not to be counted toward a major in sociology.

349. Selected Topics in Sociology and Anthropology **3 credit hours**
Prerequisite: At least one course in sociology
Selected topics in sociology or anthropology. Topics vary depending on interests of faculty and students. May be repeated for credit.

351-352. Senior Thesis **6 credit hours**
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

Spanish

Associate Professor Perez-Reilly, Ms. Soud

The **Major in Spanish** consists of 42 hours beyond elementary Spanish (110-120). Required courses include 201, 202, 225, 349, and 351-352 to be taken at Maryville College. An additional 24 hours must be completed during a junior year abroad at the Iberoamerican University in Mexico, at The University of the Andes in Venezuela, or with the program of Central College of Iowa at the University of Granada, Spain. Subjects to be studied during the junior year abroad include culture, civilization, and literature and language courses beyond the intermediate level. Students planning to major in Spanish should plan carefully and well in advance for the junior year abroad; they should be prepared for the additional costs and other challenges of study in another country. Arrangements for study at foreign institutions are described under Study Abroad in this catalog.

A second track in the major, **Spanish for Teacher Licensure**, consists of 39 credits in Spanish beyond elementary Spanish (110-120). Required courses include 201, 202, 225, 351 and 352 to be taken at Maryville College. An additional 24 hours must be completed during a junior year abroad in conjunction with Alma College's program at the Iberoamerican University in Mexico City or with the program of Central College of Iowa at the University of Grenada, Spain.

The courses taken during the junior year abroad consist of three hours in culture and civilization and nine to twelve hours in grammar, composition, phonology and corrective diction and 12 hours in literature. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog. Students seeking teacher certification in the State of Tennessee must provide proof of oral proficiency in Spanish by scoring at the advanced level on the ACTFL test of Spanish proficiency or the equivalent. Arrangements for the test will be made by the foreign language faculty.

The **Minor in Spanish** consists of at least 15 credit hours in Spanish in courses above the 100-level. Spanish 201, 202 and 225 are required.

110. Elementary Spanish I **4 credit hours**
An introduction to Spanish designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs when they travel to a Spanish-speaking country. Emphasis is also given to conversing in basic Spanish within well-defined contexts, to reading short passages and to writing simple sentences in Spanish. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

120. Elementary Spanish II **4 credit hours**
Prerequisite: Placement into the course or Spanish 110
A sequel to Spanish 110, designed to increase knowledge of the basic language, culture, and geography of the Hispanic world. Emphasis is also given to increasing students' capacity to converse, read, and write in Spanish. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

201. Intermediate Spanish I **3 credit hours**

Prerequisite: Placement into the course or Spanish 120

A review and expansion of the grammar, culture, and vocabulary studied in elementary Spanish. Linguistic tasks studied include describing, narrating, and giving opinions and information on a variety of topics. Emphasis is also given to strengthening reading and writing skills through a study of authentic Hispanic texts, which may be drawn from the following media: film, newspapers, popular music, magazines, television, and literary prose and verse.

202. Intermediate Spanish II **3 credit hours**

Prerequisite: Placement into the course or Spanish 201

A sequel to Spanish 201, designed to increase students' facility to speak and write sentences of greater structural sophistication that are logically connected in paragraph-length discourse. Increased emphasis is placed on communicating in past, future and hypothetical situations. Study of authentic Hispanic texts from various media is continued.

225. Intermediate Conversation and Composition **3 credit hours**

Prerequisite: Spanish 201 or the equivalent

A review of Spanish grammar, with attention to more advanced grammatical constructions and idioms. Designed to further develop basic conversational skills acquired during the previous three semesters. Required for all students planning to study in Spain or Mexico during the junior year.

343. Practicum **3 credit hours**

Prerequisite: Spanish 202

On- or off-campus experience that provides a linguistic and cultural opportunity for students who wish to acquire practical knowledge of Spanish beyond the intermediate level. Offered on a S/U basis only.

349. Selected Topics in Spanish **3 credit hours**

Prerequisite: Spanish 202

Concentrated study on a selected topic in Spanish literature, language, culture, or civilization. The topics may include the Spanish short story, business Spanish, Spanish phonetics and diction,or Latin American culture.

351-352. Senior Thesis **6 credit hours**

Individual study, with the guidance of a faculty supervisor, on a topic that will provide experience in intensive research and the preparation of a formal paper.

Speech

Assistant Professor Turner

201. Introduction to Communication Skills **3 credit hours**

Prerequisite: Composition 120

This course is designed to develop effective communication skills for small group settings and for extemporaneous public speaking situations. The student is expected to employ the basic skills of research (including interviews), organization, rehearsal and delivery as they pertain to oral communication. Consideration is given to non-verbal cues that affect listening and speaking.

202. Advanced Public Speaking and Debate **3 credit hours**

Prerequisite: Speech 201 or permission of the instructor

The course concentrates on the enhancement of speaking ability and the development of personal style. The principles of debate and persuasion are also considered, and practical experience is acquired through on or off-campus debate.

203. Oral Interpretation of Literature/Readers Theatre **3 credit hours**

Practice in analyzing and preparing nondramatic literature (short stories, poetry, novel excerpts) for solo performance, along with experience in adapting such literature for group performance. Each student will also prepare a script and present to the public as either reader, director or both.

Teaching English as a Second Language

Teaching English as a Second Language is offered as an initial endorsement teacher licensure program for teaching pre-kindergarten through twelfth grade. The major is interdisciplinary and also requires the equivalent of the completion of a foreign language minor. The Major in Teaching English as a Second Language requires 24 credit hours in major courses and a minimum of 15 credit hours equivalent to a minor in one of the following foreign languages: Spanish, French, German, or American Sign Language. Required courses are: English 219, 311, 312, and 351-352, Psychology 306, Sociology 211, and Psychology 211. Requirements for the mandatory foreign language minor may be found under Spanish, French, German, or American Sign Language. The minors in French and German required a period of study abroad. Also required are 31 credit hours in professional education courses as follows: Psychology 218 and 334, PHR 236, and Education 301, 302, 321, 343, 401, and 402. Student teaching involves a full semester, with experiences in teaching English as a second language at both the pre-K-6 and 7-12 settings. An additional liberal studies requirement is Psychology 101.

Course listings may be found under the respective subject field headings.

Theatre

Assistant Professor Turner, Mr. Reihl

The academic study of theatre serves the aspiring theatre professional or future graduate student through curricular programs for majors that provide an introduction to, and practical experience in, the art of theatre. The theatre major is designed to stress the intrinsic value of a broad study of the art of theatre within the liberal arts tradition. However, the opportunity for individual expression, development and specialization in one area of theatre may be explored through production, Senior Thesis, Theatre Practicum, as well as additional work done via a minor in a related field (such as, but not limited to, Music, Art or English).

The **Major in Theatre** consists of 36 hours in a broad range of theatre classes and performance opportunities, that include: Fine Arts 140: Theatre*, and Theatre 204 (6 credit hours), 209, 211, 212, 311, 314, and 351-352. The additional 5 hours may be earned from any combination of the following: Theatre 204 (up to 2 more credit hours), 343, and 349; Speech 203; Applied Voice (up to 2 credits); Dance (up to 2 credits); or English 315 or 332. Optional credit in Music or English for a major in Theatre is not available to students wishing to major or minor in those fields, respectively. It is recommended, but not mandatory, that students majoring in Theatre take American Sign Language to meet their foreign language requirement.

The **Minor in Theatre** requires the completion of 18 hours, including Fine Arts 140: Theatre*, and Theatre 204 (4 credit hours), with the additional credit hours earned in any combination of the following courses: Theatre 204 (up to 4 more credits), 209, 211, 212, 311, 314, 349, or Speech 203.

(*Note: Theatre majors and minors must fulfill their general education requirement in fine arts by taking Fine Arts 140 or 340 in one of the other arts disciplines, unless exempt because of a double arts major or major-minor.)

204.Theatre Production **1 credit hour**

Course credit given to any student who is cast or works in a major technical capacity for the semester's mainstage, faculty-directed production. The designated class session is used for production meetings, but the work involved includes accepting assignments necessary to mount the production. Guidelines for accountability will be set by the faculty director.

209. Play Analysis **3 credit hours**

Prerequisite: Fine Arts 140: Theatre

A course designed to help students understand the basic nature of dramatic literature by examining prominent dramatic theory, beginning with in-depth study of Aristotle's Poetics followed by a survey of dominant trends throughout theatre history, and to examine how playwrights have responded to current thinking in their period. Representative plays will be read and analyzed from the theatre practitioner's point of view. The course includes some study of contemporary methodology in the art of playwriting.

211. Stagecraft **3 credit hours**

An introduction to the six elements of stagecraft, which include design and execution of set, lighting, costumes and make-up, as well as theatre and stage management. Students will select two of these six areas for special concentration during the term.

212. Acting **3 credit hours**

Prerequisite: Fine Arts 140: Theatre

A study of modern acting methods, techniques and terminology. Requirements will include assigned readings, written exams, performance of dramatic scenes and/or monologues and complete character analysis.

311. Directing **3 credit hours**

Prerequisites: Theatre 204 (no fewer than 2 semesters), 209, 211, and 212

A study of the modern theatre director, directing techniques, styles and methodology. Emphasis is on current trends in directing, terminology, and practical experience in script analysis, production design, and actual direction of an extended scene or full one-act play for public performance.

314. Theatre History and Traditions **4 credit hours**

Prerequisite: Junior standing or permission of the instructor.

Traces the evolution of the theatre arts (stagecraft, acting and directing) with primary emphasis on the Western theatre tradition from its Greek origins to present-day. Included also is an overview of the development of dramatic art as well as exploration into other theatre traditions which may include Japanese Kabuki and Noh, African-American theatre, Latin theatre traditions, Women in theatre history, Native American drama, Indian Sanskrit drama or American musical theatre.

337. Internship **9-15 credit hours**

Prerequisite: Completion of a minimum 5 hours in Theatre coursework, or junior standing and permission of the instructor.

Work in professional or semiprofessional Theatre, intensive training and/or workshops, or significant leadership in an on-campus theatrical activity (such as directing the Alpha Psi Omega annual production or supervising the Mission Players for one semester), under the supervision of a faculty member and subject to approval by the Chair of the Fine Arts Division.

343. Practicum in Theatre **2-6 credit hours**

Prerequisite: Completion of a minimum 5 hours in theatre coursework, or junior standing and permission of the instructor.

Work in professional or semiprofessional Theatre, intensive training and/or workshops, or significant leadership in an on-campus theatrical activity (such as directing the Alpha Psi Omega annual production or supervising the Mission Players for one semester), under the supervision of a faculty member and subject to approval by the Chair of the Fine Arts Division.

349. Selected Topics in Theatre **3 credit hours**

Prerequisite: Permission of the instructor.

Selected topics of study not included in the theatre curriculum, such as playwriting, broadcasting or children's theatre, or possibly advanced levels of acting or directing, such as performing Shakespeare or styles of directing. Topics change as demand and interest warrants.

351-352. Senior Thesis **6 credit hours**

Prerequisite: Completion of a minimum of 12 hours in theatre.

Individual study, with the guidance of a faculty supervisor, on a topic that will provide experience in intensive research and the preparation of a formal paper or creative project. The study is usually begun in the last term of the junior year and completed in the first term of the senior year.

Writing/Communication

The **Major in Writing/Communication** requires a minimum of 45 hours in English. Required courses include Humanities 201, English 162, 216 (3 credits required), either 343 or 337, and 351-352. Four courses are chosen from English 215, 217, 219, 317, and 325. Students pursuing the internship option take 6 hours in literature courses of their choice; students pursuing the practicum option take 12 hours in literature courses of their choice. The 3 credit hours in literature taken to fulfill the general education requirement may not be counted toward the major.

All writing/communication majors are strongly encouraged to minor in an area that will give them a degree of expertise in a field other than English.

The **Minor in Writing/Communication** requires 15 hours in writing, including English 216 (3 credits required) and four courses chosen from English 215, 217, 219, 317, and 325.

Course descriptions for writing/communication may be found under English and other fields in these listings.

Academic Procedures and Regulations

Student Responsibility

Each student is expected to be thoroughly familiar with the academic requirements of the College, as stated in the Catalog and the Student Handbook. The responsibility for meeting all requirements for graduation rests entirely upon the student. Faculty advisers, division chairs, the Registrar, the Academic Vice President and the Associate Dean welcome the opportunity to provide assistance, but the basic responsibility remains with the student personally.

Academic Advising

Every student has a faculty adviser at all times. Freshman advisers teach and advise first-year students through the freshman seminar classes. Early in the year, freshmen also work with orientation group leaders, who are members of the Student Development staff. The instructor in the fall freshman seminar (FRS 120) remains the student's adviser for most of the freshman year.

When a major is declared, usually in April of the freshman year, advising shifts to a departmental faculty adviser, who may remain the student's adviser until graduation. Students who do not declare a major in the freshman year are placed with the faculty adviser for undeclared majors until a decision on the major field is made. Frequent contact between adviser and student is essential. Faculty advisers initiate some contacts, but students are strongly encouraged to make every effort to maintain a close relationship with their advisers.

Course Load

To complete a degree in four years, an average of 32 credits a year must be earned. In the typical pattern, a student carries 14 or 15 credit hours in each of the semesters and three credit hours during the January term. No more than four credit hours may be taken in one of the three-week periods, whether January or summer session. Courses listed in the catalog and offered in January may not be taken concurrently with a nine-week evening course beginning in January.

January experiential courses may be taken concurrently with a nine-week course. A full-time student is also permitted to audit one course each semester without additional charge. Permission of the individual instructor is necessary. The audit does not count toward graduation requirements, but it does appear on the permanent academic record if attendance is satisfactory.

A course load of twelve hours is required for full-time status. and the maximum load is eighteen hours in a semester and 35 hours in an academic year. Additional hours require the adviser's permission and an overload charge.

Late Enrollment and Withdrawal

Students are expected to attend the first class meeting of each course. After the first meeting, enrollment in the course is possible only with the permission of the adviser and the instructor. After the first week of classes, enrollment is possible only with the permission of the adviser, the instructor, and the Associate Dean. Permission to enter a course after five class meetings is given only in rare circumstances.

Withdrawal from a course after the semester has begun requires the approval of the instructor and the adviser and the filing of a completed withdrawal form with the Registrar. A course may be dropped with a notation of "W" (withdrew) during the first five weeks of the semester. For courses dropped in the sixth through the eighth week, the notation is "WP" (withdrew passing) or "WF" (withdrew failing), depending on one's performance at the time of withdrawal. After the eighth week, the notation is "WF."

After the first week of the term, the hours for courses dropped will be included in the total hours attempted.

A decision to cease attending classes does not constitute withdrawal from a course. Withdrawal is official on the day the form, properly signed, is filed with the Registrar.

Class Schedule

Classes are scheduled Monday through Friday in Monday-Wednesday-Friday and Tuesday-Thursday formats. Some courses meet one evening each week. Many courses in the natural sciences, and some in other areas, routinely meet four or five times a week including afternoon laboratories.

Class Attendance

Regular attendance at classes is expected of all students, though each instructor is free to set whatever attendance requirements for an individual course are deemed suitable. These requirements are announced at the first meeting of the class and are printed in the course syllabus.

The College recognizes as legitimate reasons for occasional absence such difficulties as illness, accident, family grief, or pressing personal responsibility. If absences for these or other reasons are excessive in terms of the stated attendance policy for the class, the student should explain the problem to the instructor, or the instructor may initiate such a discussion. If excessive absences persist, the student may be dropped from the course with a grade of "F." Such action is at the instructor's discretion, following consultation with the Associate Dean, but it is neither mandatory nor automatic.

Occasionally students who represent the College in off-campus activities find it necessary to miss classes. These absences are officially excused. The number of such absences, however, may not exceed five meetings of a class.

Student Classification

Students are classified as full-time or part-time, as degree candidates or special students, and according to class standing.

Students registered for a minimum of 12 hours a semester are classified as full-time. Those registered for fewer than 12 credit hours are classified as part-time.

Degree candidates are those recognized by the College as pursuing studies leading to a baccalaureate degree at Maryville College. Special students are not recognized as degree candidates, though they do receive full credit for academic work completed with passing grades. The status of special student may be chosen by any student who does not plan to apply for a Maryville degree, or it may result from action of the College if the academic record does not warrant degree candidacy.

Class standing is determined by the number of credit hours earned. The minimum requirements for class standings above the freshman level are as follows:

For sophomore standing, 29 credit hours.
For junior standing, 59 credit hours.
For senior standing, 94 credit hours.

Grading and Academic Standards

The grading system at Maryville is as follows:

A - Excellent
B - Good
C - Satisfactory
D - Passing
F - Failed

Quality points are assigned as follows:

Grades	Points
A+	4.000
A	4.000
A-	3.700
B+	3.300
B	3.000
B-	2.700
C+	2.300
C	2.000
C-	1.700
D+	1.300
D	1.000
D-	0.700
F	0.000

Students are graded by this system in all required general education courses, most electives, and all courses taken to meet major requirements (with the possible exception of Senior Thesis 351-352 noted below).

In some situations grades of "S" (Satisfactory) and "U" (Unsatisfactory) are used. The "S" grade is understood to be the equivalent of at least a "C." Most experiential education courses and all internships and practica are graded on this basis. At the student's option, one elective course each year may be graded "S" or "U." The student may also choose to take Senior Thesis 351-352 under this system. A decision to take a course on an "S/U" basis must be made during the first week of the semester, and the decision filed in the Registrar's Office. Such a decision is final and may not be reversed.

In the following exceptional circumstances these grades are given:

I - Incomplete
Given as a temporary grade when a course cannot be completed due to reasons beyond the student's control; becomes an "F" unless the work is carried to completion by the end of the next semester.

W - Withdrew
Given when a course is dropped during the first five weeks of a semester; does not affect grade point average.

WP - Withdrew Passing
Given when a course is dropped in the sixth through eighth week while the student is doing satisfactory work; does not affect grade point average.

WF - Withdrew Failing
Given when a course is dropped after the eighth week, or in the sixth through eighth week while the student is doing unsatisfactory work; affects the grade point average as would an "F."

Grade Point Average

The grade point average (GPA) for a semester is computed by dividing the total number of quality points earned by the credit hours attempted during the semester. The cumulative GPA is based on all quality points earned and credit hours attempted at Maryville College (except that a repeated course is counted only once). Courses completed satisfactorily at other institutions may count toward graduation requirements, but they are not counted in computing the GPA.

The credit hours for a Developmental Studies course do not count in the minimum needed for graduation and are not included in the GPA. Developmental Studies 105 is treated as three credit hour equivalent in the determination of full- or part-time status.

Comprehensive exam grades are not figured in the GPA.

The Dean's List

The Dean's List is composed of those students whose academic performance was distinguished in the previous semester. To qualify, a grade point average of at least 3.25 in all work undertaken must be earned, with no grade below "C." Only full-time students are considered.

Graduation Honors

To qualify for graduation with honors, a student must have completed at least 64 credit hours at Maryville College. The cumulative grade point average determines the level of honors.

The three levels of honors and the minimum grade point averages required are:

Summa cum laude:	3.95
Magna cum laude:	3.75
Cum laude:	3.40

Academic Standing

It is the responsibility of the individual student to maintain good academic standing and to make normal progress toward a degree. The record of each student is regularly reviewed by the Registrar. Any student whose cumulative grade point average falls below 2.0 is placed on academic probation. To continue enrollment in probationary status, the student must show steady improvement in academic performance.

At the end of the academic year careful consideration is given to the record of each probationary student. If the student falls below minimum standards for credit hours and cumulative grade point average, he or she is not considered to be making normal progress toward a degree. (Exceptions are made for those students with verified handicaps and those for whom English is a second language). The student is then subject to suspension from the College, or to a change from degree candidacy to special student status. These minimum standards are described in the Student Handbook.

A student suspended from the College may apply for readmission after a period of satisfactory academic work at another institution or other successful work experience. The period of suspension is usually a calendar year, but it may be shorter if circumstances warrant. A student placed in special student status by action of the College may continue enrollment and, when the cumulative GPA is raised to 2.0, petition for readmission to degree candidacy.

A decision to suspend may be appealed to the College's Committee on Academic Standing. In such an appeal, the obligation rests with the student to explain the special considerations that support continued enrollment.

Notification of Grades

Students are notified by mail of grades earned as soon as possible after the end of each semester. The grades become part of the student's permanent academic record on file in the Registrar's office. In accordance with the Family Educational Rights and Privacy Act, grades are not sent to parents or guardians unless (a) the student requests that this be done, or (b) the parent or guardian makes such a request, certifying that the student is dependent as defined by the Internal

Revenue Service. Such requests must be written and filed with the Registrar.

Grade Challenges

If a student does not agree with a final course grade, a procedure for addressing the question is outlined in the Student Handbook. Grade challenges may not be made more than one year after the end of the term in which the grade is assigned.

Six Week Progress Reports

During the sixth week of the semester, faculty members submit a six week progress report for each student who is having academic difficulty in a particular class. The report is sent to the student's faculty adviser and the Office of Student Development. These grades are used to inform and counsel the student and are not recorded on the student's official transcript. The College Learning Center coordinates the reporting process.

Conferral of Degrees

Degrees are formally conferred at the Commencement exercises held annually at the close of the spring semester. Though requirements may be completed at other times during the year, degrees are officially awarded only at those exercises.

Students who do not complete all requirements by the close of the Spring Semester may participate in the Commencement exercises if they expect to complete the requirements by the end of the summer, have only student teaching, a Senior Recital, Art Exhibit, or an approved internship to complete in the fall (Senior Thesis 352 is occasionally attached to student teaching or an internship), and have not more than two "incomplete" grades for the Spring Semester. Any student who does not complete the degree requirements according to these criteria may choose to participate in the Commencement exercises at the close of the next academic year.

Credit by Examination

Proficiency Exams

Proficiency exams are permitted in lieu of Maryville College coursework in special circumstances. Maryville College faculty prepare examinations covering the content of a specific catalog course. There is an examination fee, and permission of the division chair is required. Proficiency exams are not given for experiential learning courses, internships, practica, physical education activities courses, studio art, applied music or the Life Enrichment Program.

The American College Testing Program Proficiency Examinations are offered in many areas. Information on these examinations is available in the Registrar's Office and in the Office of Continuing Education. College credit is available when a score of 45 is attained.

The College Level Examination Program (CLEP) offers examinations in the areas listed below. If a student's score is equal to the CLEP mean scaled score for a grade of "C", credit may be granted. Except as noted below, three credit hours are granted for all examinations, regardless of the recommendations in CLEP publications.

CLEP Subject Examinations

American Literature
Analysis and Interpretation of Literature
English Literature
Freshman College Composition
Calculus with Elementary Functions***
College Algebra
Trigonometry
College Algebra-Trigonometry***
General Biology*
General Chemistry*
Information Systems and Computer Applications
Principles of Management
Introductory Accounting**
Introductory Business Law
Principles of Marketing
Principles of Microeconomics
Principles of Macroeconomics
American Government
American History I
American History II
Western Civilization I
Western Civilization II
Educational Psychology
Introductory Psychology
Human Growth and Development
Introductory Sociology
College French-levels I & II**
College German-levels I & II**
College Spanish-levels I & II**

CLEP General Examinations

English Composition
Humanities
College Mathematics
Natural Sciences
Social Sciences and History

** Provides six credit hours of credit. To obtain credit for additional two hours of laboratory experience, students must either (1) demonstrate satisfactory knowledge of laboratory techniques, or (2) enroll in and complete satisfactorily the laboratory portion of the courses.*

*** Six credit hours are awarded.*

**** Four credit hours are awarded.*

DANTES Exam Program

Maryville College accepts credit for the DANTES credit by examination program of the Educational Testing Service. Credit allotments and minimum acceptable scores are set according to the guidelines of the American Council on Education. The exams listed below are accepted at Maryville College:

Introduction to College Algebra
Principles of Statistics
Art of the Western World
Contemporary Western Europe: 1946 - 1990
A History of the Vietnam War
Lifespan Development Psychology
General Anthropology
Fundamentals of Counseling
Astronomy
Principles of Physical Science I
Physical Geology
Principles of Finance
Principles of Financial Accounting
Personnel/Human Resource Management
Organizational Behavior
Business Law II
Introduction to Computers with Programming in BASIC
Money and Banking
Technical Writing
Principles of Public Speaking
The Civil War Reconstruction

Credit by examination is not available for courses audited at Maryville College.

Non-Traditional Modes of Learning

No more than 32 credit hours may be counted toward graduation requirements for any combination of credit by examination, internships, military coursework, instructional television or other non-traditional modes of learning.

Evening Study

Two majors, Human Services and Business and Organization Management, are scheduled so as to permit completion of the major through evening classes alone. The following minors are also available in the evening: business, accounting, psychology and sociology.

Specialized and Individualized Programs of Instruction

Maryville College offers many opportunities for students to tailor their learning experiences to their own needs and interests. The regulations governing these opportunities are set out below.

A. Senior Thesis

The Senior Thesis is described under Degree Requirements in this catalog. A student must have completed 70 hours including 12 hours of upper division (300- or 400-level) courses in the major and must have passed the English Proficiency Examination before beginning the thesis. The thesis receives 6 credit hours, 3 hours in each of two semesters. Failure in Senior Thesis course 351 or 352 requires that the course be repeated. A second failure in 352 requires that both 351 and 352 be repeated with a new topic or project. The original 351 course becomes an elective.

B. Individualized Study Courses

For a course in the major field a student may substitute a program of individualized reading or experimental work. The student may also take an additional major course on this basis. Such coursework carries a 350 number and may not exceed a total of three credit hours. The student must have at least junior standing. Such a program is pursued under the guidance of a faculty member, who confers regularly with the student and assesses progress. Approval of the division chair is required, and an additional fee is charged.

C. Life Enrichment Program

The Maryville College Life Enrichment Program (MCLEP or "portfolio") is a means to enrich and diversify the student's educational experience through a combination of curricular and co-curricular activities. In the program each student works closely with a faculty or staff mentor to identify or design projects appropriate for his or her personal growth. The projects must fall into the categories of service, creativity, adventure, self-management/health, or cross-cultural experience. Only one credit hour may be earned in any category, and no more than three credit hours may be earned in the program. One project may be taken for credit in a semester. The program is available only during the fall and spring semesters.

A central feature of each project is the maintenance of a personal journal, the purposes of which are to encourage careful observation and reflection and to deepen knowledge of oneself. Through completion of an individually-designed project, the student earns one credit hour.

Written descriptions of completed projects may be used to create a portfolio of experiences.

D. Internships and Practica

Many academic departments offer opportunities for students to learn through practical experience, usually related to the major field, through an internship or practicum. These supervised experiences provide a chance to apply knowledge and skills in an operational setting, while testing one's interest in a particular career or profession. Possibilities range from individual work with exceptional children in the College's Learning Center to editorial duties in a publishing house to service as an aide to a public official. Academic departments and the Office of Career Services occasionally assist students in arranging post-graduate or other non-credit internships.

Credit earned for practica and internships is in proportion to the scope and duration of the experience. Practicum experiences are allotted two to six credit hours. Practica may be pursued while the student is enrolled in other coursework, and in some cases the work may be done on campus and be related to the College program. Departmental guidelines for practica vary, but for each credit hour granted students are expected to be involved the equivalent of at least three hours of activity per week for a semester. Internships are allotted 7 to 15 credit hours and are intended to give students a more complete immersion in a work or service setting. Other coursework is normally not taken during an internship, though the Senior Thesis (351 or 352) is sometimes completed during a fall or spring internship. Internships take place off-campus and require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

While some major fields generally restrict enrollment in internships and practica to students majoring in the field, special qualifications or circumstances may warrant application to the appropriate division chair for a waiver permitting enrollment by a non-major.

All academic divisions are required to have written guidelines for internships and practica. The guidelines are available in each division and in the Registrar's office. Guidelines include application and approval procedures, the range of accepted experiences, methods of reporting and verifying experiences, and the duties of the faculty supervisor and the off-campus supervisor.

Departmental guidelines may restrict or prohibit remuneration. Remuneration may be permitted insofar as guidelines for the learning experience are followed and faculty supervisors work closely with organizations and off-campus supervisors to protect the student and to ensure the quality of the experience as an extension of the College curriculum. Internships (numbered 337) and practica (343) are available in any major. Internships and practica are graded on a Satisfactory/Unsatisfactory basis; letter grades are not assigned except in Education 343 and 401 (Student Teaching).

E. Individualized Majors

Students pursuing the B.A. degree may design an Individualized Major. A formal application and approval of the faculty Committee on Individualized Instruction are required. Individualized majors must include 18 hours in one subject area, 12 hours in a related subject, and 6 Senior Thesis hours. An individualized major must be approved by the second semester of the sophomore year. A faculty sponsor in each subject area is required. Application forms are available in the Registrar's Office.

F. Student Literacy Corps

A description of the Student Literacy Corps may be found under Learning By Experience in this catalog. There are two credit options. For two credit hours, the student completes one campus-based class hour per week (orientation and training) and three hours of community-based tutoring. For three credit hours, the student completes one class hour and six tutoring hours. The three credit hour option may be counted in

fulfillment of the general education requirement in experiential education.

Honors Study

Honors study at Maryville College may be pursued in four ways. Participation in any honors program is reserved for those students with a cumulative grade point average of 3.25 or higher and those students who have attained sophomore standing. Freshman students may be admitted to special sections of freshman seminars. Honors work is voluntary, except for Presidential Scholars and Dean's Scholars, who are required to participate in a limited number of honors activities. Honors study is distinct from and in no way related to honors designations for graduating seniors (cum laude, magna cum laude, and summa cum laude). Honors study is noted on College transcripts.

Honors Seminars are offered occasionally by distinguished members of the Maryville College faculty. Honors seminars may be special sections of regular course offerings, or they may cover topics not regularly a part of the College curriculum. Honors seminars may be electives, major courses (if approved by the division chair), or general education courses (if approved by the Coordinator of General Education). Enrollment in honors seminars is limited in most cases to fifteen students, with first priority for enrollment for seniors, followed by juniors and sophomores. Honors seminars are listed in the Schedule of Courses booklet.

Honors Study in Major Courses permits students of superior ability to pursue honors study related to major courses in which they are registered. The honors work goes beyond basic course requirements and may take the form of additional reading, writing, experimentation or creative work, or any combination of these.

For successful completion of honors study in a major course, students may receive one additional credit hour beyond the regular credit allotment for the course. Arrangements for honors study are negotiated with the course instructor and require the approval of the division chair. The arrangements must be reported to the registrar not later than the first week of the course.

Honors Tutorial Practica are programs of guided tutoring in which an honors student tutors other students under the guidance of the Learning Center Director. Students act as tutors and study table leaders in the various academic assistance programs offered to Maryville College students. Each practicum in this special program is awarded one credit hour and the course may be repeated to a maximum of four credit hours. With the permission of the instructor, the practicum may be taken on a non-credit basis.

Honors in Applied Music is a program intended for students pursuing the Bachelor of Music degree in piano or vocal performance and for students who wish some additional performance emphasis within other degree programs. Three credit hours per semester are earned for an hour lesson or two half-hour lessons and at least ten hours practice per week. In addition, in the course of the academic year, sophomores must perform as soloist for at least ten minutes in student recitals, juniors must give a half-hour recital, and seniors must give a full recital. Enrollment in the honors program in applied music requires the approval of the music faculty, based on successful audition and evidence of talent and good practice habits.

Community Forum

To supplement classroom learning, the College schedules an extensive program of lectures, presentations, and performances. These take the form of convocations attended by students, faculty, and staff, as well as residents of the local community. The series seeks to inform the entire College community about critical issues in politics, religion, economics, social relations, international affairs, and the arts, and to engage participants in discussion of the value considerations posed by those issues. Each semester the five to seven Community Forum events relate to a particular theme. Events may be linked to particular courses, and participation in those events is an integral part of those courses. Otherwise, attendance is voluntary. A student who attends regularly, and verifies that attendance, may earn credit toward graduation. For attending five events in a semester, one-half credit hour is earned; a maximum of four credit hours may be earned in this way.

There is no admission fee, but the student who wishes to receive credit for attendance is subject to an overload charge if the normal load for the semester or the year is exceeded.

Admission

Admission Procedures

Maryville is selective in granting admission to prospective students. Successful candidates for admission have followed a strong college preparatory curriculum in high school and rank in the top 25% of their graduating classes. Students are admitted based on academic criteria, extracurricular involvement, and personal achievement, without regard to financial need.

Application deadlines and notification dates are listed below:

	Application deadline	Notification date
Early action	Sept. 15	Nov. 1
Early decision	Nov. 15	Dec. 1
Scholarship candidates	Jan. 15	Feb. 1
Regular application	March 1	April 1
International students	June 1	July 1

High School Students

High school graduates who are seeking admission as first-time freshmen must have satisfactorily completed at least 15 academic units at high school level. Normally coursework should include the following minimum requirements:

1. Four years of English.
2. Two years of science including one year of laboratory science such as biology, chemistry, physics, or earth science.
3. Three years of mathematics including one year of algebra and two years above Algebra 1.
4. Two years of social studies or history.
5. Two years of one foreign language.
6. At least two elective academic units among the following: mathematics, science, social studies, English, foreign language, religion, or fine arts (including performing arts credits such as band, choir, theatre, and orchestra).

To apply for admission as a first-time freshman, students should submit the following:

1. Application for admission with a nonrefundable $25 application fee.
2. Official transcript of high school work. Homeschooled students should submit a summary of high-school level subjects studied along with an assessment of academic achievement in each area studied and a GED score.
3. Official GED certificate, if applicable.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board. Students who have been out of high school three years or more are not required to submit test scores.

Transfer Applicants/Transfer Credit

Students who have completed coursework at another regionally accredited college or university may be considered for admission to Maryville College in either the fall or spring semester. Generally, academic courses in which the student has earned a grade of "C" or above will be transferred and applied toward graduation requirements. College credits earned by students while they were enrolled in high school will be evaluated upon receipt of an official college transcript. Applicants are provided with an official Advanced Standing Estimate upon request.

Transfer applications are evaluated under the following guidelines:

1. Applicants with 30 semester hours or more in college-level academic coursework should have earned a minimum grade point average of 2.50. High school transcripts and test scores are not required of students who meet these standards.
2. Applicants who have earned less than 30 semester hours in college-level work should have a minimum grade point average of 2.50 in college-level academic work and present a transcript of high school work and ACT or SAT test scores that meet the standards for freshman admission. Applicants who have been out of high school for three years or more are not required to submit test scores.

To apply for admission, transfer students should submit the following:

1. Application for admission with a $25 nonrefundable application fee.
2. Official transcript from EACH college attended.
3. If applicable, official transcript of high school work and scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board.

International Students

In order to receive admission to the degree program at Maryville, students from other countries should present a strong record of academic achievement and evidence of English proficiency as measured by either the Test of English as a Foreign Language (TOEFL, offered worldwide) or the Michigan test (offered at Maryville College). Students who are not proficient in English or who have not yet taken either the TOEFL or the Michigan Test may request admission to the Center for English Language Learning (CELL).

A minimum TOEFL score of 525 or a Michigan Test score of 80 is required for full-time College enrollment without additional English requirements; students with slightly lower TOEFL scores or Michigan scores above 70 may begin college coursework on a limited basis while enrolling in a special orientation course for international students. Students with lower English proficiency will be offered admission to the CELL program and will be required to complete an appropriate level of English study before entering the College's academic program.

All international students for whom English is a second language are required to take the Michigan Test on-campus during International Student Orientation before the beginning of the student's first semester. To apply for admission, international students should submit the following:

1. International Student application for admission with a $25 nonrefundable application fee.
2. Official transcript from the secondary school showing at least three years of coursework. This document should be in English.
3. TOEFL score, if available.

Upon acceptance, student must submit a $200 Enrollment Deposit and financial records showing the ability to pay the costs of the first year of study at Maryville. When the deposit and financial records are received, the College will issue an I-20 (student visa application).

Veterans

Maryville College welcomes veterans who would like to begin or continue their college education. The College will accept courses from the Community College of the Air Force and will evaluate other military coursework using the American Council on Education Guide to the Evaluation of Educational Experiences in the Armed Services. Up to 12 hours credit may be granted for military coursework comparable to Maryville College course offerings. Veterans must have on file with the Registrar Form DD214 and a copy of their Certificate of Eligibility.

Early Admission

Students who have completed the junior year of high school may request consideration for early admission. In addition, local high school students who have time in their schedules for additional courses may enroll part-time on a space available basis.

Early admission candidates and high school students seeking to enroll part-time must furnish evidence of a strong high school record and above average test scores as well as a letter from the principal or guidance counselor indicating that the applicant has the intellectual and social maturity to profit from college study. A personal interview with an admission officer and a college faculty member is mandatory.

Early admission applicants should submit the application documents listed under the "High School" requirements. High school students seeking to enroll part-time should submit the following:

1. Non-degree student application for admission.
2. Official transcript of high school work. Home schooled students should submit a summary of high-school level subjects studied along with an assessment of academic achievement in each area studied.
3. Scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board, if available.
4. Letter of recommendation from the high school principal or guidance counselor.

Readmission

Students who leave the College for any reason during the academic year or take a leave of absence by staying out for a semester or longer must apply and be accepted for readmission.

To apply for readmission, students should submit the following:

1. Application for readmission.
2. Official transcript from EACH college attended since leaving Maryville.

Advanced Placement/International Baccalaureate

Maryville College awards credit through the Advanced Placement (AP) program of the College Entrance Examination Board and the International Baccalaureate program. Students who achieve a minimum score of 3 on AP examinations or 4 on IB examinations will be granted college credit and may be eligible for advanced placement in College courses upon approval of the instructional departments involved. Applicants should submit requests for Advance Placement or International Baccalaureate credit during the summer prior to enrollment.

Enrollment Deposit

Following admission to the College, students are required to pay a $200 Enrollment Deposit which is credited toward tuition. The Enrollment Deposit is refundable until May 1.

Financial Policies

Tuition

The annual tuition rate covers a normal load of 25 to 35 hours for the academic year which includes Fall Semester, Spring Semester, and January Term. Students may distribute the hours over the three terms. There is no overload charge unless the total hours for the semester exceed 18 or the total hours for the year exceed 35. Students registered for less than 12 hours during a semester are billed at the hourly rate rather than the semester rate.

Payment policy

Annual charges for tuition, fees, room, and board are divided into two semester rates. Tuition, fees and all other College charges are due and payable by August 1 for Fall Term and by January 2 for Spring Term. A bill is mailed to the student four to six weeks before the payment due date. It is the student's responsibility to make arrangements for payment in full including completing the necessary documents for scholarships, grants, and loans before the payment due date. Business Office and Financial Aid Office staff are available to assist students in financial planning.

Costs

For 1998-99, the basic annual costs are:

Tuition	$15,600
Fees	425
Room	2,400
Board	2,680

A schedule of miscellaneous fees is available on request in the Business Office.

Refund policy

No refunds are made for a change from full-time to part-time status after the first week (5 days) of classes. In compliance with federal regulations promulgated under the National Education Act of 1992, a student who withdraws officially from Maryville College will be given a refund of tuition, room, and fees as follows:

First time students

Withdrawal date	**Refund percentage**
Within 11 calendar days of first day of classes	90%
Within 12-21 days	80%
Within 22-31 days	70%
Within 32-42 days	60%
Within 43-52 days	50%
Within 53-63 days	40%
After 63 days	No refund

Returning students

Withdrawal date	**Refund percentage**
Within 7 calendar days of first day of classes	90%
Within 8-14 days	80%
Within 15-21 days	70%
Within 22-28 days	60%
Within 29-35 days	50%
Within 36-42 days	40%
After 42 days	No refund

A pro rata refund of board charges for the remainder of the semester will be given to both first-time and returning students.

A withdrawal becomes effective on the day the withdrawal form, properly signed, is filed with the Office of Student Development. Students who leave the College without notifying the Office of Student Development or are dismissed for disciplinary cause are not eligible for a refund of charges. Students who receive financial aid will have part or all of their refunds, as required by refund formulas, credited to the programs from which the awards were made.

Directory

Officers and Faculty

(The year noted is that of first appointment.)

Principal Administrative Officers

Gerald W. Gibson
President (1993)
B.S., Wofford College; Ph.D., University of Tennessee; Institute for Educational Management, Harvard University.

Nancy C. Sederberg
Academic Vice President and Dean of the College (1998)
A.B., Theil College; M.Ed., University of Pittsburgh; Ph.D., University of Notre Dame; Institute for Educational Management, Harvard University.

Rick Ziegler
Vice President and Dean for Enrollment (1999)
B.A., Maryville College.

Elton R. Jones
Vice President for College Advancement (1995) B.B.A., Texas A&M University.

William Seymour
Vice President for Student Development (1995)
B.S., State University of New York, Oswego; M.Ed., Ph.D., University of Missouri, Columbia.

Ronald E. Appuhn
Vice President and Treasurer (1996)
B.S., University of California, Berkeley; M.B.A., Southern Illinois University; C.P.A.

Administrators Emeriti

Joseph J. Copeland
President Emeritus (1961)
B.A., Trinity University; B.D., McCormick Theological Seminary; D.D., Trinity University; LL.D., Maryville College.

Faculty

Susan H. Ambler
Associate Professor of Sociology (1990)
B.A., University of Oklahoma; M.A., Ph.D., Ohio State University.

Jeffrey M. Bay
Assistant Professor of Mathematics (1997)
B.A., DePauw University; M.A., University o Missouri; Ph.D., North Carolina State University.

Charlotte Hudgens Beck
Professor of English (1966)
B.Mus., M.A., Ph.D., University of Tennessee, Knoxville.

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Assistant Professor of History (1995)
B.A., University of Notre Dame; M.A. Western Kentucky University; Ph.D., Indiana University.

Thelma E. Bianco
Associate Professor of Art (1971)
B.S.Ed., Texas Technological University; M.A., Texas Women's University; M.F.A., East Tennessee State University.

Dean Allen Boldon
Professor of Sociology (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D., Vanderbilt University.

Robert John Bonham
Professor of Music (1965)
B.Mus., Phillips University; M.Mus., University of Kansas; Ph.D., Ohio University.

Scott Brunger
Associate Professor of Economics (1982)
A.B., Yale University; Ph.D. New School for Social Research.

Terry Allen Bunde
Professor of Chemistry (1977)
B.S., Rollins College; Ph.D., University of Florida; Baylor College of Medicine.

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Instructor in English (1994)
B.S., Emory and Henry College; M.A., East Tennessee State University.

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Instructor in English (1994)
B.A., Maryville College; M.A., University of Tennessee, Knoxville.

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Assistant Professor of Religion; Coordinator of General Education; Ralph W. Beeson Professor of Religion (1990)
B.A. Randolph-Macon Woman's College; M.A., Saint Mary's University in San Antonio; Ph.D., Vanderbilt University.

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Associate Professor of Education and Associate Dean (1987)
B.S., M.S.N., Ph.D., University of Tennessee, Knoxville.

David Andrew Crain
Assistant Professor of Biology (1998)
B.S., Clemson University; M.S., Ph.D., University of Florida.

William Hunter Dent
Professor of Mathematics; Chair, Division of Mathematics and Computer Science (1964)
B.A., Maryville College; M.S., University of Kentucky; Ph.D., University of Tennessee, Knoxville.

John Gallagher
Assistant Professor of Management (1998)
B.A., Boston College; M.B.A., Ph.D., University of Tennessee, Knoxville.

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Assistant Professor of Art History (1993)
B.F.A., University of Akron; M.F.A., Kent State University; Ph.D, Texas Tech University.

Harry Lee Howard
Professor of Political Science (1976)
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Sally Elizabeth Jacob
Professor of Psychology (1985)
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Sherryl Davis Kasper
Associate Professor of Economics; Chair, Division of Social Sciences (1990)
B.A., DePauw University; M.P.A., University of Colorado; M.A., Ph.D., University of Tennessee, Knoxville.

Marcia J. Keith
Professor of Education; Director of Teacher Education (1987)
B.A., The University of Massachusetts; Ed.M., Harvard University; Ph.D., University of Tennessee, Knoxville.

Peggy Lynn Kilgore
Instructor in English (1998)
B.A. Maryville College; M.A., Wright State University.

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Professor of Political Science (1979)
B.A., Yonsei University; M.S., Indiana University; Ph.D., University of Kansas.

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Assistant Professor of History (1998)
A.B., Harvard Univeristy; M.A., Ph.D., University of Chicago.

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Assistant Professor of French (1998)
B.A., The University of the South; M.A., Middlebury French School; Ph.D., University of Wisconsin, Madison.

Margaret Anne Maher
Assistant Professor of Sign Language Interpreting (1989)
B.A., Maryville College; M.S.S.W., University of Tennessee, Knoxville; M.S., Western Maryland College.

Doris May
Instructor and Librarian (1999)
M.L.S., University of Tennessee, Knoxville;
B.A., Ball State University.

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Assistant Professor of Music (1995)
B.M., M.M., Youngstown State University; Ph.D., Kent State University.

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Assistant Professor of Physics (1993)
B.A., Central University of Iowa; Ph.D., University of Arkansas.

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B.A., Maryville College; M.A., Western Maryland College.

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B.A., Northwestern Univeristy; B.D., University of Edinburgh; M.A., Ph.D., University of Chicago.

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Instructor, Reference Librarian (1994)
B.S., M.S.L.S., University of Tennessee, Knoxville.

Robert James Naylor
Professor of Chemistry; Chair, Division of Natural Sciences (1975)
On the Aluminum Company of America Endowment
B.S., Butler University; Ph.D., Case Western Reserve University.

John W. Nichols
Professor of Mathematics, Coordinator of Academic Computing (1967)
B.S., Maryville College; M.S., Ph.D., University of Tennessee, Knoxville.

Christine Richert Nugent
Assistant Professor, Library Director (1991)
B.A., East Texas State University; M.S.L.S., University of Tennessee, Knoxville.

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Assistant Professor of Political Science (1997)
B.A., St. Lawrence University; M.A., Ph.D., Syracuse University.

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Associate Professor of English (1990)
B.A., Yale University; Ph.D., Cornell University.

Choi Park
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B.A., Ewha Women's University; M.L.S., George Peabody College of Vanderbilt University.

Brian Pennington
Assistant Professor of Religion (1998)
B.A., Georgetown University; M.T.S., Candler School of Theology, Emory University; Ph.D., Emory University.

Elizabeth Perez-Reilly
Associate Professor of Spanish (1986)
B.A., College of Wooster; M.A., University of Kansas; Ph.D., Vanderbilt University.

John Henry Perry
Associate Professor of Physical Education and Recreation (1985)
B.A., Knoxville College; M.S., University of Tennessee, Knoxville; Ph.D., Southern Illinois University.

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B.S., M.S., Ed.D., Oklahoma State University

Jerry L. Pietenpol
Associate Professor of Mathematics and Computer Science (1990)
B.S., Davidson College; M.S.,North Carolina State University; A.M., Ph.D., Columbia University.

Robert Clinton Ramger
Associate Professor of Biology (1956)
B.S., Maryville College: M.S., Ph.D., University of Tennessee, Knoxville; University of Minnesota.

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Instructor in Mathematics (1989)
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Professor of Comparative Literature;
Chair, Division of Humanities (1984)
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Professor of Sociology (1998)
A.B., Thiel College; M.Ed., University of Pittsburg; Ph.D., University of Notre Dame.

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Assistant Professor of Psychology (1994)
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Associate Professor of Education; Chair, Division of Education (1990)
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B.S., M.A.T., Vanderbilt University.

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Adjunct Faculty

Barbara Adamcik
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Business Law (1974)
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Psychology (1990)
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Physical Education; Athletic Director and Head Basketball Coach (1980)
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Alexander Technique (1998)
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Religion (1986)
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Dance (1998)
Van Metre School of Dance; Royal Academy of Dancing, London, England; New York Conservatory.

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English as a Second Language (1993)
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David Reed Powell
English, Learning Center Writing Specialist (1988)
B.A., Maryville College;
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Darcy Quesada
English as a Second Language (1994)
B.A., Boston College;
M.A., Monterey Institute of International Studies

Alan Reihl
Theatre (1989)
B.A., University of New Hampshire;
M.F.A., University of North Carolina, Chapel Hill.

William N. Robinson, Jr.
Music, Director, Maryville-Alcoa College-Community Orchestra (1991)
B.S., M.S., University of Tennessee, Knoxville

Burt Rosevear
Music (1996)
B.A., George Fox College;
M.M., University of Northern Colorado.

Kandis Marie Schram
Physical Education (1985)
B.A., Maryville College.

Suzanne Singleton
Physical Education/Wellness Field Adjunct (1996)
B.S., M.S., University of Tennessee, Knoxville;
Ed.S., Lincoln Memorial University.

Elizabeth Sutton
English as a Second Language (1991)
B.A., Maryville College.

Wayne Thompson
Physical Education Field Adjunct (1996)
B.A., Maryville College; M.Ed., Lincoln Memorial Univesity.

Frank van Aalst
History (1995)
M.A., Banaras Hindu University; B.D., Princeton Theological Seminary; Ph.D., University of Pennsylvania.

Karen Wentz
Business & Organization Management (1998)
A.B., Mt. Holyoke College; M.S.L.S., Syracuse University; M.Admin., University of California at Riverside; University of Iowa.

Jane Whitaker
Chemistry Field Adjunct (1992)
B.A., University of New Orleans; M.S., University of Tennessee, Knoxville.

Marishka Wile
English as a Second Language (1995)
B.A.. M.A., Ohio University.

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Physical Education (1988)
B.A., M.A., Marshall University.

Julia Williamson
English as a Second Language 1991
B.A., Carson-Newman College; M.A., University of Tennessee, Knoxville; M.A., Southern Illinois University.

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Education (1998)
B.S., M.S., University of Tennessee, Knoxville

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Physical Education (1989)
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Professors Emeriti/Emeritae

Carolyn Louise Blair
English
B.A., University of Montevallo; M.A., Ph.D., The University of Tennessee, Knoxville.

James Albert Bloy
Music
B.A., B.Mus., North Central College; M.Mus., Eastman School of Music; S.M.D., School of Sacred Music, Union Theological Seminary.

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Beeson Professor of Religion
A.B., College of Wooster; B.D., McCormick Theological Seminary; Th.D., Harvard University.

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B.A., University of Akron; M.S., Indiana University;
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B.A., Maryville College; M.A.;
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Harry Bayard Price
Economics
B.A., Davidson College; M.A., Yale University;
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Arda Susan Walker
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B.A., Maryville College; M.A., University of Tennessee;
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Administration

Michelle Ballew
Director of Residential Life (1996)
B.S., University of North Texas;
M.A., West Texas State College.

Karen Beaty
Director of Alumni and Parents Program (1997)
B.A., Maryville College.

Mark Cate
Director of Development (1991)
B.S., Carson Newman;
M.S., University of Tennessee, Knoxville.

Stephen Christison
Controller (1991)
B.S., M.B.A., University of Tennessee, Knoxville.

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Associate Dean and Director of Institutional Research (1987)
B.S., M.S.N., Ph.D., University of Tennessee, Knoxville.

Kelly Franklin
Director of International Services,
Center for English Language Learning (1986)
B.A., Rice University; M.A., Ohio University.

Lyn French
Director of Gift Planning (1996)
B.A., Guildford College;
M.A., Central Michigan University

Anna Graham
Director of Principal Giving (1995)
B.A., University of the South;
M.A., University of New Orleans.

Bruce Guillaume
Director of Mountain Challenge Program (1978)
B.A., Maryville College;
A.C.S.W., University of Tennessee, Knoxville.

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Registrar (1974)
B.A., Maryville College.

Bruce Holt
Director of Counseling (1995)
B.S., M.S., Florida State University

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B.A., Creighton University

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Assistant Dean and Director of the Learning Center (1990)
B.S., Radford University; M.S., University of Tennessee, Knoxville.

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Athletic Director and Head Basketball Coach (1980)
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Assistant Dean of Students (1996)
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M.A.D., University of South Carolina.

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B.S., Tennessee Technological University.

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B.A., Maryville College;
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Chaplain (1991)
A.B., Princeton University;
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Library Director (1991)
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B.A., Maryville College.

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Director of Admissions
B.A., University of Tennessee, Knoxville.

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Head Football Coach (1988)
B.A., M.A., Marshall University.

Board of Directors

Class of 1998

Mr. Darrell Akins, Knoxville, TN
Mr. Michael Campbell, Knoxville, TN
Ms. Donna M. Cobble, Friendsville, TN
Mr. Buell G. Duncan, Jr., Orlando, FL
Dr. Virginia Eaddy, Knoxville, TN
Mr. Scott Fletcher, Calhoun, GA
Mr. Sidney Gilreath, Knoxville, TN
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Mr. J. William Johnson, Maryville, TN
Ms. Sara Pope Proffitt, Maryville, TN
Mr. Richard E. Ragsdale, Nashville, TN

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Dr. Charles Brooks, Jr., Alcoa, TN
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Ms. Teenie Hayworth, Knoxville, TN
Dr. Richard Leatherwood, Baltimore, MD
Mr. Baxter Lee, Knoxville, TN
Ms. Virginia K. Morrow, Knoxville, TN
Ms. Ann Proffitt Mullican, Maryville, TN
Mr. John C. Thornton, Chattanooga, TN
Mr. Lew E. Weems, Knoxville, TN

Class of 2000

Mr. Lee Congleton, Lenoir City, TN
Mr. Joseph M. Dawson, Maryville, TN
Mr. Lamar Dunn, Maryville, TN
Reverend Dr. G. Carswell Hughs, Knoxville, TN
Mr. Fred R. Langley, Knoxville, TN
Mr. Fred R. Lawson, Knoxville, TN
Dr. Naomi B. Lynn, Springfield, IL
Ms. Mary Witherspoon, Hunstville, AL

Emeriti Members

Dr. Tutt S. Bradford, Maryville, TN
Mr. Carle M. Davis, Maryville, TN
Mr. Judson B. Murphy, Maryville, TN
Mr. Samuel M. Nabrit, Atlanta, GA
Mr. Harwell W. Proffitt, Maryville, TN
Mr. Algie Sutton, Mt. Plesant, SC
Dr. Harold Walker, Evanston, IL

Honorary Members

Dr. Edward Brubaker, Kennett Square, PA
Dr. John Magill, Cape Coral, FL
Dr. Dan M. McGill, Bala Cynwyd, PA

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Maryville College reserves the right to withdraw courses at any time, change fees, rules, calendar, curriculum, graduation requirements, and any other requirements affecting students.

Additional information on class meeting times and places is available in the separate MC course schedule booklet published by the Registrar's Office. Students should consult the MC Student Handbook for policy and regulations relating to student conduct, residence hall regulations and the MC policy on Students' Rights to Privacy in compliance with the Family Educational Rights and Privacy Act of 1974. Student grievances are handled through the College's Office of Student Development. Copies of grievance procedures are available from that office.

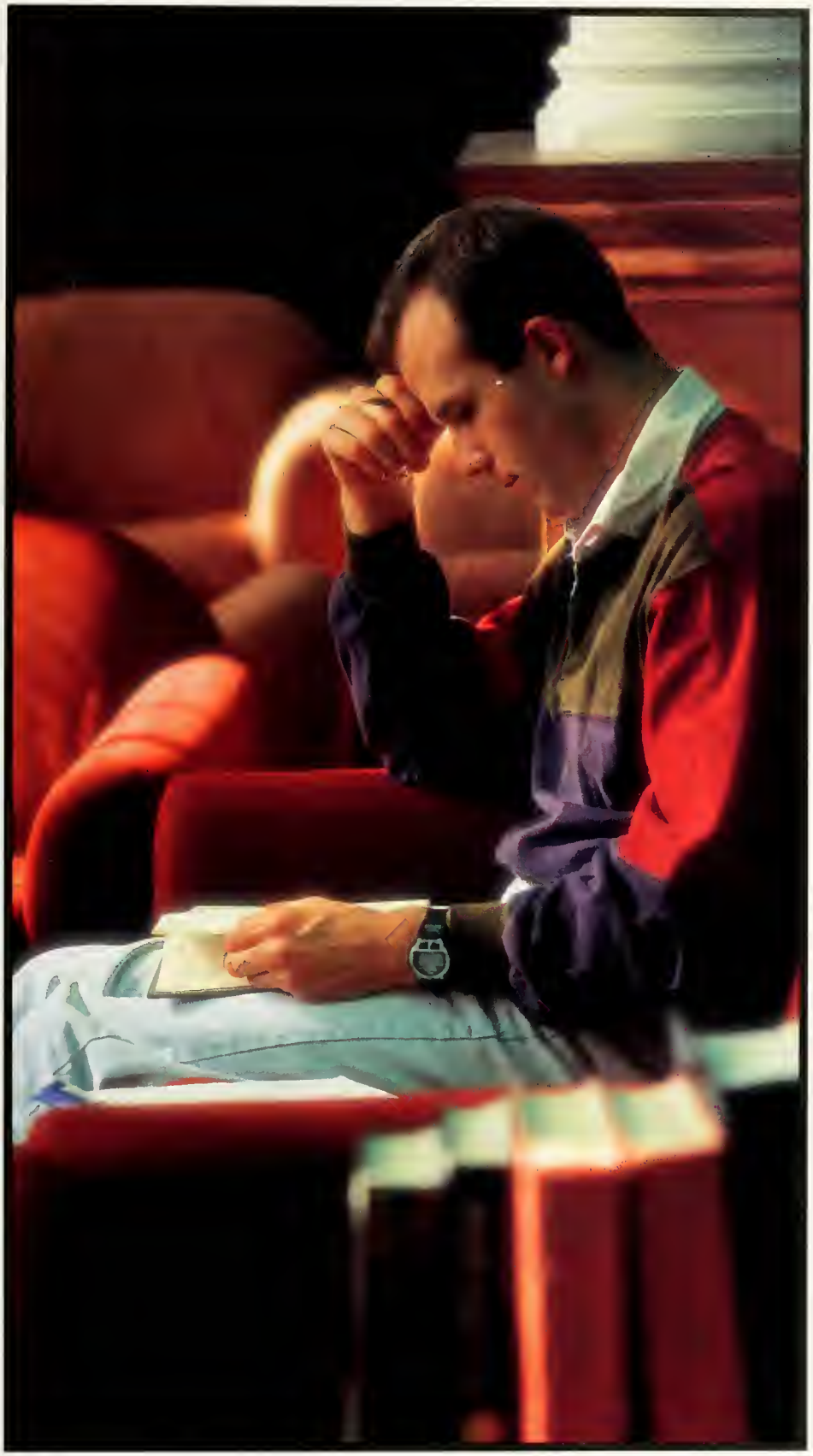
Maryville does not discriminate on the basis of race, color, gender, ethnic or national origin, religion, sexual orientation, age, disability, or political beliefs in provision of educational opportunities and benefits.

Pursuant to the requirements of Title IX of the Education Amendments of 1972, P.L.92-318; and Section 504 of the Rehabilitation Act of 1973, P.L. 93-112, Maryville College does not discriminate on the basis of sex or handicap in the education programs and activities which it operates. This policy extends to both employment by and admission to the College.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the President, Anderson Hall. 981-8000. Charges of violation of the above policy should also be directed to the President's Office.

Maryville College Academic Calendar

1998-99		1999-2000
August 31	Registration—New Students	August 30
September 1	Registration—Returning Students	August 31
September 2	Fall Semester Classes Begin	September 1
September 3	Opening Convocation	September 2
September 7	Labor Day Holiday	September 6
September 24	English Proficiency Examination	September 23
October 6	Last day to withdraw from a course and receive a "W"	October 5
October 9 – 11	Long Weekend	October 15 – 17
October 20	First 7-week Evening Classes End	October 19
October 21	Second 7-week Evening Classes Begin	October 20
October 27	Last day to withdraw and receive a "WP" or "WF"	October 26
November 12 – 13	Comprehensive Examinations for Graduating Seniors	November 11 – 12
November 25 – 29	Thanksgiving Break	November 24 – 28
December 11	Classes End	December 10
December 14 – 17	Examination Period	December 13 – 16
Dec. 18 – Jan 3	Christmas Break	Dec. 17 – Jan 2
January 4	January Term Classes Begin - Registration	January 3
January 4	First 9-week Evening Classes Begin	January 3
January 18	Martin Luther King Holiday (Classes Meet)	January 17
January 22	Classes End	January 21
January 23	January Term Snow Make-Up Day	January 22
January 25	Registration	January 24
January 26	Registration	January 25
January 27	Spring Semester Classes Begin	January 26
March 2	Last day to withdraw from a course and receive a "W"	February 29
March 5	First 9-week Evening Classes End	March 3
March 8	Second 9-week Evening Classes Begin	March 6
March 13 – 21	Spring Break	March 11 – 19
March 30	Last day to withdraw and receive a "WP" or "WF"	March 28
April 2	Good Friday—Classes end at noon	April 21
April 15 – 16	Comprehensive exams for Graduating Seniors	April 13 – 14
May 7	Classes End	May 5
May 10 – 13	Examination period	May 8 – 12
May 13	Second 9-week Evening Classes End	May 12
May 16	Baccalaureate & Commencement	May 14
May 19	Summer School Begins	May 17
May 19	First 3-week Term Begins	May 17
May 19	First 5-week Term Begins	May 17
May 24	Memorial Day Holiday	May 29
June 9	First 3-week Term Ends	June 7
June 10	Second 3-week Term Begins	June 8
June 23	First 5-week Term Ends	June 21
June 24	Second 5-week term Begins	June 22
June 30	Second 3-week Term Ends	June 28
July 5	Fourth of July Holiday	July 4
July 29	Second 5-week Term Ends	July 27



A quick look at Maryville

History: Founded in 1819

- Private, coeducational college
- 12th-oldest college in the South
- Affiliated with the Presbyterian Church (USA)

Location: Maryville, Tennessee, 15 minutes from Knoxville and the Great Smoky Mountains

Enrollment: 1000 undergraduate students from 27 states and 20 countries

Student/Faculty ratio: 14 to 1

Campus: 350 acres, half wooded with hiking and biking trails, 24 buildings, including ten residence halls, the modern Sutton Science Center, Lamar Memorial Library, and 14 buildings listed on the National Register of Historic Places

Athletics: Ten teams that participate in NCAA Division III; equestrian team; club and intramural sports

- Cooper Athletic Center includes a swimming pool, three gyms, racquetball courts, and a weight room
- Outdoor facilities include six new tennis courts, running trails, climbing tower, low ropes course and athletic fields

Admissions: Selective; Application deadline March 1; Early Decision deadline November 15

Financial Aid: 85% of students receive financial assistance

Fees: Tuition, room and board, and fees for 1999 - 2000 are $21,105

Address: 502 E. Lamar Alexander Pkwy. Maryville, TN 37804-5907

Phone: 1-423-981-8092
1-800-59SCOTS (597-2687)

Website: http://www.MaryvilleCollege.edu

Office of Admissions
502 E. Lamar Alexander Parkway
Maryville, TN 37804-5907